

MacFormat



Mac



iPad



iPhone

FOR ALL YOUR
APPLE NEEDS
—for 21 years—

2015 PREVIEW

Get ready for
Apple's amazing
next-gen kit

- 12.9-inch iPad Pro
- Retina MacBook Air
- 4K Apple television



Find stuff faster in Yosemite

Unlock secret powers
of the all-new Spotlight



Keep files safe in iCloud Drive

Put precious files online
from all your devices



Tidy up all your photos

Get ready for the new
Photos app for Mac



116

pages of
essential tips
and tricks

Master your Mac today!

Discover the smarter and faster
ways to use your Mac and OS X

New kit rated

- New styluses from Wacom
- Fastest ever portable SSD
- Thunderbolt 2 dock



Big sound, small price!

In-ear headphones for
your iPhone, iPad and iPod



Take your club social

Make more of your
online community



Synology®



Full HD
1080

dlna®



AirPlay

DS415 play

FOUR-BAY NAS SERVER FEATURING
VIDEO TRANSCODING WITH LOSSLESS QUALITY



THE PERFECT PLACE TO STORE & PROTECT PHOTOS,
MUSIC, MOVIES AND TV SHOWS

- Stores up to 24TB of data
- 1080p full HD video transcoding for on demand high-quality video streaming
- A DLNA ready media server
- Dual core CPU powered by a built-in Floating-Point Unit
- Over 112.45 MB/s reading and 101.21MB/s writing speeds
- Supports SSD trim



Follow Synology



Where to Buy

amazon.co.uk

The electronics specialist
maplin

Synology apps available on

iOS



COME AND VISIT US AT
GADGET SHOW
LIVE 2015

G Gadget Show LIVE
7-12 APRIL 2015 • NEC BIRMINGHAM

Welcome

to MacFormat, the UK's best-selling Apple magazine



Wether you're a seasoned OS X user or you're new to the Mac, using it efficiently can often be one of the most difficult things to sort out. That's not because Macs are complex – far from it – but there's nearly always a faster way to perform a task. Among the most useful timesavers on a Mac comes from how we interact with it, be it through the keyboard, mouse, trackpad or through dictation.

This month we've taken a look at some of the most useful shortcuts you should be using. Time saved makes you a better Mac user, so they're always worth remembering. We also cover some general tips on getting more from your Mac and have included ten great ways to make your Mac perform better, too!

In this issue we also explore the very best ways to nurture a better online community. If you run a club or society website, you'll need to know social media best practice, whether that's Facebook, Twitter or a site such as Tumblr, and we'll show you how to get it right first time.

Finally, it's the start of another year, so we've checked our crystal ball to see what Apple is likely to bring us in 2015, from the rumoured big iPad Pro to the 'impossibly thin' Retina MacBook Air...

Christian Hall
Editor
editor@macformat.com

Love MacFormat?



Want the print magazine overseas?
Turn to p81

**TURN TO
PAGE 26 NOW
FOR THE LATEST
HOT SUBS
OFFERS!**



The new print and digital bundle is just £28.49 for all new subscribers

Meet the team!



Matt Bolton
Commissioning Editor



Tom Harrod
Production Editor



Paul Blachford
Managing Art Editor



Seth Singh
Digital Art Editor

Plus our team of expert writers and designers all over the world, who help make *MacFormat* number one!

Contact us

- myfavouritemagazines.co.uk/macformat
- facebook.com/macformat
- twitter.com/macformat
- plus.google.com/+MacFormatUK
- youtube.com/MacFormatUK



CONTENTS

NEWS & OPINION | STEP-BY-STEP TUTORIALS | LATEST REVIEWS | MAC BUYERS' GUIDE

ISSUE AT A GLANCE



IMPROVE

Do more with your Apple gear

➤ Try out fantastic tutorials covering OS X, iOS and a range of the latest and greatest Mac software **p43**



APPLE TALK

Have your say about Apple issues

➤ The section of the mag where you get the chance to speak your mind on everything Apple-related **p64**



RATED

Discover the best apps and kit

➤ Read our verdict on the latest hardware and software for Apple devices, including games and iOS apps **p85**



UPGRADE!

The best Macs and iOS devices

➤ If you're looking for a new Mac, iPhone, iPod or iPad, check out our Upgrade section before you buy **p107**

Master your Mac!

Dozens of performance-boosting tips so you can work and play smarter on your Mac



Apple in 2015
What's in store for the new year? **p21**



In the Mac club
Organise hobby groups via your Mac **p78**

Contents

Sub-£100 in-ear headphones

Six in-ear headphones – all under £100 – put to the test. Which came out on top? p86

WIN!
Mad Catz C.T.R.L. controller!
PAGE 69



X-mini CLEAR
A Bluetooth speaker
that will clearly cut it
at any party p91



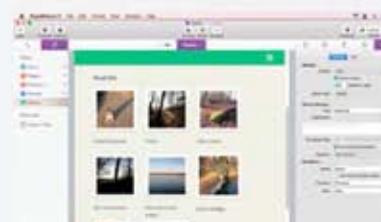
Wacom styluses

Two new models reviewed p92



Borderlands

A 'pre-sequel' of the franchise p102



RapidWeaver 6

The site builder updated p96



Pixelmator for iPad

Image-editing on the go p105

Mac FORMAT

FOR ALL YOUR
APPLE NEEDS
– for 23 years –

• 12.9-inch iPad Pro
• Retina Macbook Air
• All Apple Innovation

2015 PREVIEW

Get ready for
Apple's amazing
next-gen kit

• 12.9-inch iPad Pro
• Retina Macbook Air
• All Apple Innovation



116

pages of essential tips
and tricks

Master your Mac today!

Discover the smarter and faster
ways to use your Mac and OS X.

New kit rated

New releases from iBlason

Latest news available in MC

MacBook 2014

Big sound, small price!

Great speakers for your iPhone, iPod and iPad

Take your club social

Music news from your online community

HIGHLIGHTS

AppleWorld

Hot news from the
world of Apple p6

Picks from the Store

The best apps, games,
movies and music p10

Gadgets

Hot new gear p14

One more thing

Apple opinion p18

Apple in 2015

What's in store for the
next year? p21

Master your Mac

Get more out of your
Mac with our tips p28

Improve

All the best tutorials for
Mac and iOS p43

AppleTalk

Your letters, pictures
and more p64

Me & My Mac

A reader shares their
set-up p68

Competition

Win Mad Catz controller
and accessories p69

Mac SOS

Problems solved p71

In the Mac club

Organise social and
hobby groups p78

Rated

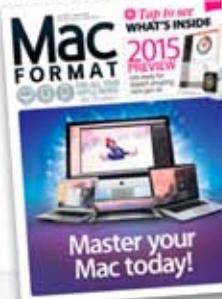
Definitive reviews p85

Upgrade!

What Mac or iOS device
should you buy? p107

SUBSCRIBE AND SAVE

Never miss an issue of
your favourite magazine
again! Get *MacFormat*
delivered straight to your
door or device with our
great subscription offers
on page 26.



Apple WORLD

We round-up the Apple stories that matter to you



The death of the common man's wallet?



The Apple Pay service is winning friends across the USA, so when will it reach the UK?

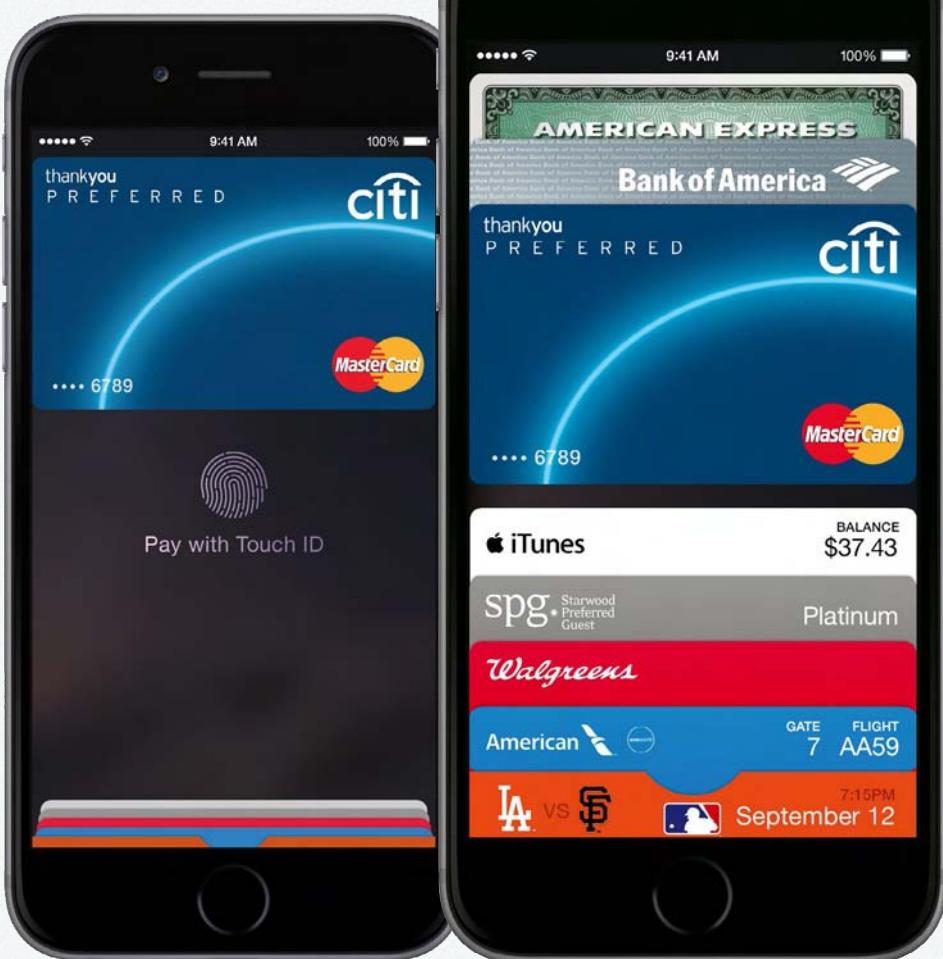
Apple Pay is already the US's most widely used mobile payment system, processing 1 million credit card transactions in the first 24 hours alone following its launch in October.

Despite many years of trying, others in the space, including Google and PayPal, have been unable to match such momentum.

"We're already more than the total of the other guys," said Apple CEO, Tim Cook, at a *Wall Street Journal* conference. Despite years of work, Google, PayPal and others have failed to achieve this kind of traction.

220,000 retail locations

Apple Pay launched with support from over 220,000 retail locations, including Staples, Whole Foods, Disney, Subway, Bloomingdales, Nike, Foot Locker, Toys R Us and more. Whole Foods stores across the US now see around \$4 million in weekly sales through Apple Pay transactions.





The team's picks from the Store
Media of the month p10



What we're most excited about
Gadgets to covet p14



Think different
Exploring the tech that sits outside the box p16



One more thing
£2.99 for an app? Down with this sort of thing p18



Apple in 2015
Why this could be Apple's most exciting year yet p21

Mobile payments are set to become a big business. US consumers spent \$735 billion using credit cards in 2005. Forrester expects the US mobile payments industry to be worth a whopping \$142 billion in the US by 2019. Apple's solution, which combines ease of use, privacy and security within the world's most popular smartphone, means it should secure a hefty slice of this.

"Apple Pay has demonstrated that the experience is the easiest to use of any of the alternatives, and very safe to boot," wrote analyst Patrick Moorhead of Moor Insights & Strategy.

Payment of the future

Apple also has the mind share. 36% of mobile phone users say Apple Pay is "the payment system of the future" and, according to Horizon Media, four in ten say they like the idea of not having to carry a wallet, cash, or credit cards. Retaile (the leading location-based shopping platform that aggregates weekly circulars from top line retailers for mobile and digital devices) ran a survey that revealed Apple Pay users are three times more likely to spend \$250 or more than those using other mobile payment systems. Apple iOS users spent about 25% more than Android owners on Thanksgiving purchases, spending \$118.57 per order compared to \$95.25, claims IBM Digital Analytics Benchmark.

"Apple has a strong hold on online shopping," said Jay Henderson, director of IBM Smarter Commerce. "iPhone and iPad buyers tend to be slightly more affluent and more comfortable with technology."

Apple Pay uses an NFC chip inside iPhone 6 devices, Touch ID and secure payment processing



How soon could it be – if ever? – until shopping centres such as Bristol's Cabot Circus (above) sees an introduction of Apple Pay?

technologies to enable you to pay for items in shops (or online) just by waving your phone in front of a compatible terminal. It effectively turns your device into a contactless payment (or credit) card, with the advantage of being able to choose between multiple authorised cards when making a purchase.

CurrentC

Walmart and a consortium of other retailers haven't yet signed up while they attempt to deploy their own mobile payment solution, CurrentC, which requires social security and driver's license numbers in addition to a customer's banking information, raising key privacy and security concerns.

In "the long arc of time, you are only relevant as a merchant if customers love you," Apple CEO Tim Cook told Wall Street Journal Live.

We don't know anything of Apple's plans to launch its service in the UK. To give it some kind of context, take note that the iTunes Store took almost two years to reach the UK and we still lack iTunes Radio, so if we were to take an educated guess, it may take some time.

However, Apple and Alibaba are in talks to reach an alliance to work together in China. "Right now, I think what we can say is that this is focused on the China market for Apple," said Alibaba Executive Vice Chairman, Joseph Tsai.

"We need to be judging Apple Pay over five years at the earliest, and not one month," said Celent analyst Gareth Lodge.

Apple Pay has demonstrated that the experience is the easiest to use of any of the rival alternatives

Apple in QUOTES

What are people saying about the world of Apple?

Tim Cook
apple.com

"If law enforcement wants something, they should go to the courts and get it. It's not for me to do that."

Apple boss says privacy counts

Neil Mawston
strategyanalytics.com

"The Android platform is getting overcrowded... few Android device makers make profits."

Analyst says Android's a tough business

Steve Wozniak
woz.org

"Apple could have had a much bigger share of the smartphone market if it had a larger-screen iPhone for the past three years."

Apple co-founder: some like it big

Jony Ive
apple.com

"I really truly believe that people can sense care in the same way they can sense carelessness. I think this is about the respect we have for each other."

Good design is good manners, says Apple's Senior Vice President of Design



Rumour ROUNDUP

The top 5 Apple stories we're talking about

01

Beats with everything

Apple plans to preinstall iTunes Music (formerly Beats) subscriptions on devices within a future iOS update.

02

Smoke free iPhones?

A new Apple patent suggests the Cupertino company plans to embed a smoke detector into future iOS devices.

03

Farewell to the iPhone 5c

Multiple reports claim Apple will abandon the iPhone 5c next year, but will the range be terminated or improved with Touch ID?

04

Trillion-dollar Apple?

Carl Icahn believes AAPL stock should reach \$203 per share, making it one of the world's first trillion dollar companies.

05

iPad Pro slips again

The anticipated larger and faster 'iPad Pro' for enterprise and creative users isn't now expected until mid-2015, analyst claims.

Apple Insider

Our industry expert rounds-up the biggest Apple corporate stories circulating this month

Developer watch

Apple has introduced WatchKit, its promised development SDK for Apple Watch apps. The release means we've learned a little more about the product (expected to ship in Q2); apps will require an iPhone in order to run until later next year when standalone apps are supported; the gesture-controlled user interface will offer Short Look and Long Look views in response to how you move your watch; and the ability to add widgets to the watch face, if you wish.

A 'Glances' view will offer bursts of relevant app data on demand, while if you press-and-hold-down on the watch face, you'll get to hidden contextual demands. We also learned the 38mm Apple Watch display measures 340 x 272 pixels, while the 42mm model offers 390 x 312 pixels.

70 million iPhones The latest release of iPhones are setting new records. Analysts predict Apple will sell 70 million this Christmas quarter, in addition to the 39 million units sold in Q3. iPhone 6 is the most popular model with the larger iPhone 6 Plus taking up to 40% of sales in some markets. Apple's expected to sell 100 million more devices next year.

The success of the new smartphones seems to be changing the way people use iPads. The developer Pocket notes that 72-80% of Pocket-saved content was



The Apple Watch SDK will see new apps developed.

consumed using an iPhone 6 series device, rather than an iPad in contrast to 55%.

Wagner takes Coach seat

Apple's longest-serving board member, Bill Campbell, has retired. Known as "The Coach" (because he once coached football at Columbia University), he was appointed to the post by Steve Jobs 17 years ago. Susan L. Wagner, founding partner and director of BlackRock, has joined the board.

"Over the past 17 years, it's been exciting to watch history unfold as Apple emerged as the premier technology company in the world," Campbell said. Wagner co-founded asset-management company, BlackRock, in 1988. Welcoming her appointment, Apple CEO Tim Cook noted her experience in mergers and acquisitions (as well as in developing markets) would be "extremely valuable" to the company.

Stock watch

Clem Chambers, CEO of ADVFN, the leading stocks & shares website



> The US markets have enjoyed one of the most amazing rallies I can remember. Just as the market tanked and looked about to crash, a rally took over that shot US stock indices to yet-more all-time highs. It's not that the market can't slump and crash; right now, oil, one of the key financial instruments

on a global scale, has crashed – and if it can implode, anything can. From over \$100 a barrel, it's now down to under \$70.

Back at Apple, meanwhile, the stock is on a rally at all-time highs. Bendgate and the bankruptcy of a key supplier of sapphire screens are both forgiven and forgotten. At \$119 a share and a valuation of \$700

billion dollars – that's half of Britain's national debt! – Apple looks to power on through \$120 a share towards the destiny of being America's first trillion dollar company.

It might seem like madness, but in a world of central banks and their unconventional monetary policy, almost anything is possible.



Apple in PICTURES

The hottest pictures from the world of Apple



Apple retail stores worldwide were rebranded in red in recognition of World AIDS Day (Monday 1st December). Apple donated a portion of everything it sold that day to the Global Fund to fight AIDS, through Bono's Product (RED) campaign. Apple has raised \$75 million since joining the scheme.

Picks from THE STORE

*We select the best apps
& games out there*



MISCHIEF

\$25 (about £16) Developer Made With Mischief Works with OS 10.8 or later, 64-bit Mac



Mischief is an astonishing piece of software that should help unleash your inner creative with infinite sketching freedom. The app delivers a natural-seeming drawing experience that feels very much like sketching with pen and paper – it's best used with a Wacom tablet.

Built from the ground-up to be intuitive and easy to learn and to use, the Mac app lets you create artwork to extraordinary levels of detail. There's a pared-down free version available too

– this features six essential brushes to get you started (including pencil, pen, brush and eraser tools), a basic colour palette to whet your appetite, an infinite canvas to play on, and the capacity to export in JPEG or PNG formats.

That's a lot of power in the free version, but for \$25 you can unlock the full potential of the app, including preset brushes and erasers, a full colour palette with custom swatches, layers, and the ability to export PSD files. It's a remarkable drawing experience.

From the Store

*There's a lot of power
in the free version,
but for \$25 you can
unlock the potential
of the full app*

On our **APPLE TV**

What we're watching on
the iTunes movie store



FILM **Chef**

£13.99 (to buy) HD

➤ Jon Favreau directs and stars in this comedy about a chef that loses his job and goes on to launch a food truck, regaining his passion for life, love and kitchens. Also stars John Leguizamo.



TV **The Passing Bells**

£10.99 (Series Pass)

➤ This moving World War One drama tells the story of the 'war to end all wars', seen through the eyes of two young men who join up to fight a battle they thought would be over in months. It comes in the centenary year of the events that shook the world.

On our PLAYLIST

What's on the office speakers



MUSIC Lola Colt – Away from the Water

£7.99

Up-and-coming London act, Lola Colt, have been winning fans across the capital as they prepared to release their debut album, *Away from the Water*. Think Nick Cave meets Broadcast with a Polly Harvey twist and you can't go wrong. Highly recommended.



PODCAST Tech Night Owl

Free

An interesting and incisive tech-focused podcast; Gene Steinberg (prolific computer author) speaks to analysts and thought leaders across the tech industry to discuss the key topics of the week, with an accent on Apple, consumer electronics and future tech trends. Each episode is about two and a half hours.



Toca Nature

£1.99 Developer Toca Boca

Works with iPhone, iPod touch, iPad



Everyone knows that Toca Boca make superb iOS apps to assist kids in learning, and this nature installment is sure as eggs is eggs to delight wee nippies everywhere. Here you can "shape nature and watch it develop", whether that's managing an eco system, shaping landscapes and planting trees, or learning about food chains and different animals' diets.



Total War: Rome II – Emperor Edition

£39.99 Developer SEGA

Works with OS X 10.7 or later



The latest edition of the addictive Total War series, this game includes all the extra components released since the launch of Rome II (including four bonus playable factions). The Emperor Edition introduces an improved politics system, new building chains and a new playable campaign. You'll command thousands of troops as you build the Roman Empire.



Vainglory

Free Developer Super Evil Megacorp

Works with iPad

The only gaming title given air time during September's Apple iPhone 6 launch event, Super Evil Megacorp's Vainglory is now available as a free download from iTunes. It's a beautifully rendered massively multiplayer battle in which you'll fight with a variety of cool weapons, in a game that really looks like it does in the screenshots – it's stunning, and designed for seamless gameplay on your iPad.



FUSION 7

Introducing the world's most advanced visual effects and motion graphics solution!

Fusion is the world's most advanced compositing software for visual effects artists, broadcast and motion graphic designers and 3D animators. With over 25 years of development, Fusion has been used on over 1000 major Hollywood blockbuster feature films! You get a massive range of features and effects included so you can create exciting broadcast graphics, television commercials, dramatic title sequences and even major feature film visual effects!

Hollywood's Biggest Blockbusters

Thousands of Hollywood's biggest blockbusters and hit television shows use Fusion to create their groundbreaking visual effects. Fusion has been used on feature films like Thor, The Amazing Spiderman 2, and The Hunger Games, as well as hit television shows like Orphan Black, Breaking Bad, Grimm, Adventure Time, Downton Abbey and the Emmy award winning Battlestar Galactica.

Nodes, A Better Way to Work!

Fusion uses nodes which are small icons that represent effects, filters and other processing which can be connected together to easily build up larger and more complex visual effects. Because nodes are easy to see and connect together, you can combine tools, images, and objects in any order to create unlimited visual effects. Nodes make it easy to adjust any single part of your project simply by clicking on the node and making an adjustment. That's much faster than a timeline based tool such as an NLE.

Simply More Features

Whether you need to pull a key, track objects, retouch images, animate titles, or create amazing particle effects, Fusion has a massive toolset that lets you tackle the most demanding visual effects and motion graphics jobs. You get the world's best 3D workspace along with tools for compositing, keying, painting, animation, stereoscopic 3D and more, all in a single application!

GPU Accelerated Creative Workflow

Fusion is an extremely fast visual effects software tool that's responsive enough to be used in high pressure, client driven sessions. With its GPU acceleration, you get instant feedback while you work so you can see exactly what you're doing. Whether you're working alone or with a client, Fusion gives you the real time control you need so you can spend more time being creative and less time waiting.

FUSION 7.....Free

FUSION 7 STUDIO.....£635*

Learn more today www.blackmagicdesign.com/uk

*SRP is Exclusive of VAT

GADGETS

Hot gear on the horizon



WE'RE MOST EXCITED ABOUT...

EMBER 3D PRINTER

\$5,995 (about £4,000) spark.autodesk.com

The Spark platform has huge potential and will take 3D printing into new territory

What is it? We're big fans of Autodesk's design software, so now they've got into the 3D-printing space it's time to take notice. The Ember 3D printer will use the free and open Spark platform, allowing end users to tweak the printer however they like. Autodesk hopes Spark will prompt a flurry of innovation in 3D printing, and make it accessible and relevant to millions more people.

When's it due? Early 2015.

Why are we excited? The Spark platform has huge potential and will take 3D printing into new territory. Ember may well be the lead hardware device for the platform and will be something you'll hear a lot more about.

Gadgets



The Loplin Hood

£43 loplin.com

What is it? The Loplin Hood is a Kickstarter project that blocks flare light and prevents uninvited viewing on your MacBook. The Hood snaps onto the MacBook magnetically and folds away in seconds. It's manufactured from an ultra-thin fabric and uses a self-supporting structure of carbon-fibre rods (like a kite) to snap into place and stay rigid. It will be available for the 13- and 15-inch Macbook Pro (unibody models from 2008 and later) and 13-inch Macbook Air (from mid-2011 and later). It comes in Slate, Dark Cherry Red, Sea Blue and Spring Green.

When's it due? Early 2015.

Why are we excited? Much like the Smart Cover for iPads, the Loplin Hood uses the Macbook's internal magnets to clip on tight. After use it can be easily stored inside your Macbook's sleeve or bag, just pull it off and fold the two sides in. For something that's perceived as being cumbersome, the Hood looks like it's hassle-free.



Earin

£TBA earin.com

What is it? Earin are tiny wireless earbuds that claim to be the world's smallest. They sport the latest Bluetooth and battery technology and a compact metal capsule stores the earbuds and doubles up as the charger. Just place the earbuds in the capsule and they will be charged automatically and ready for listening any time.

When's it due? February 2015.

Why are we excited? We love the compact design and at just 5 grams for the pair, they will hardly feel like they're in at all. What really impresses though is the clever use of the case, which acts as the charger. Too often earbud/headphone cases are just considered 'safe storage'. Here the case actually has a use beyond simply protection.

There's also an iPhone app that will allow you to tweak various playback features while the earbuds are in.

SnapJet

\$129 (about £85) snapjet.com

What is it? SnapJet is a portable printer for your iPhone that works via scanning the screen rather than the slower connecting up and syncing method you'll be used to. After scanning with its OLED display, it prints out a high-resolution colour image on Instax Mini or Polaroid 300PIF film. SnapJet's image scanning and transfer system has a theoretical resolution limit of 1200 dpi. It uses a micro-structured optical polymer (a bundle of microscopic optical fibres fused together) that scans across the screen and transfers the image to the instant film without any distortion.

When's it due? Should be early 2015.

Why are we excited? SnapJet is also open source so the company will release all schematics to the hacker community – win!





Pinć

£63 hellopinc.com

What is it? Pinć (pronounced 'pinch') is an iPhone 6 & 6 Plus case that converts into a virtual-reality headset. This case, combined with a free companion app, brings what you're seeing to life. Pinć is the first VR platform that fits in your pocket, allowing you to use your phone traditionally or as a virtual-reality headset with integrated controllers.

When's it due? Possibly summer 2015. **Why are we excited?** At some point we'll take VR interfaces seriously and the future of our smartphones may well be down this kind of VR line. It's also bringing the concept of VR to market in an affordably and convenient way. We can't wait for it to come out!

Think different

Decidedly off-the-wall

Mini Power – biodegradable top-up charge pills

£TBA bit.ly/minipower

What is it? There are plenty of mobile-charging solutions out there but designer Tsung Chih-Hsien has created a Red Dot Design Award-winning concept for a tiny cardboard capsule that powers up your iPhone. It's called the Mini Power. You just choose how much battery time you need – two, four, or six hours – plug it in, then recycle it later.

When's it due? We don't know yet, but watch this space

Why are we excited? It's a biodegradable design, which not only makes the battery more environmentally friendly, but also saves on packaging. Since each Mini Power battery can just be broken off a perforated cardboard sheet, you could potentially buy them in bulk that way.



Quirky Converge Docking Station

£50 quirky.com

What is it? This docking station enables you to charge up to four devices (over USB) at once. Better still, they can all fit on the dock, saving space and helping to keep everything neat and tidy. The docking station's design allows you to feed your USB cables through the slot in the bottom and keep them securely in place using the soft TPE grips.

When's it due? Already available.

Why are we excited? Looks stylish and addresses the problem of keeping things tidy when you're charging up different devices.



Musical Fidelity Merlin 1 system

£1,300 musicalfidelity.com

What is it? The Musical Fidelity Merlin 1 system is a multiformat streaming system, which consists of the Merlin digital amplifier and Bluetooth apt-X streamer, the Round Table turntable and Merlin 1 speakers. Musical Fidelity say that this is one of the first digital-streaming systems built with the old LP in mind – perfect for those with large vinyl collections or those looking get into the increasingly popular vinyl music culture. Buyers can choose to mix and match their system with the Merlin 1 Speaker being available

in red, silver or black; while the Round Table has a choice of red or black finish.

When's it due? Grab it now!

Why are we excited? Vinyl culture is back on the way up (an 18-year high in 2014) and for too long streaming from a vinyl source has been neglected. Musical Fidelity has a long history of producing high-quality audio products, so this system is bound to sound amazing. We love the clean, sleek lines of each product too, particularly the oval speakers and stunning minimalist turntable.



ENJOY YOUR MUSIC WIRELESSLY

SW100 Bluetooth® Speaker



Wireless
Music From
Your Device



Up To 10
Hours Music
And Talk Time



Music



Speakerphone



Built-in
Battery

MAKE AND RECEIVE PHONE CALLS

The Sonivo SW100 Bluetooth Speaker combines slick and stylish design with modern technology, designed for people on the move. With built-in Bluetooth connectivity the speaker gives you a way to enjoy streaming your music wirelessly from your hand-held device or laptop. The SW100 also doubles up as a wireless hands free speaker, allowing you to make and take calls directly from the speaker without needing to interact with your mobile device. The SW100 comes packaged in a premium crystal display box and is available in a variety of colours, graphite black, electric purple, emulsion white, electric blue, titanium grey and gold steel. The SW100 can be purchased from www.sonivo.com. For more information please contact info@sonivo.com.

Features:

- 800 hours standby time.
- Up to 10 hours music and talk time.
- Integrated rechargeable battery.
- Music pauses when the phone rings.
- Noise suppression and echo elimination.
- Radio Performance: Bluetooth Class 3.0, Up to 5-10 metres.

sonivo



Join us Sonivo

www.sonivo.com

info@sonivo.com

One more thing...

MONUMENTAL ARROGANCE

*Everybody's getting angry about a work of art.
Have App Store reviewers gone insane?*



Every generation reckons that the world is going to hell in a handcart, but we might be right this time: the world is clearly getting

dumber and more dangerous. Just read the comments on any YouTube clip whatsoever, search Twitter for "Kardashian" or look at the reviews on Apple's OS X and iOS app stores.

App stores are often full of idiocy, with apps getting slated because they don't work on the beta of an OS that won't be released for months. But something even more sad is happening, and right now it's happening to Monument Valley.

If you're not familiar with Monument Valley, it's an astonishing thing; it's a game with an incredible visual aesthetic and an emotional heft that took me by surprise.

This game is a work of art, and it's also the winner of a well-deserved Apple design award, and an absolute steal: the developer was selling it for just £2.49.

And then something terrible happened.

The developer added eight new levels as an in-app purchase and charged £1.49 for them.

I know what you're thinking. "One pound forty-nine for eight levels of beauty and truth and art and stuff? What a bunch of idiots!"

No?

Online stores are packed with whiny reviews from people with an astonishing sense of entitlement



That's what they're saying on the App Store, where Monument Valley is getting hammered with single-star reviews.

The review by Jared S – I think the S stands for "Stoopid" – is sadly typical. "What was a 5-star rating has been destroyed by the ridiculous prices smashed in the faces of the hopeful," he writes, conceding that while "I know they worked hard on these levels" the extras are "not worth of an extra \$2." Jared says it's "an all-time low" and that a game that was "beautiful and effortless... became one of the most disgusting things I have ever experienced."

It's easy to mock such hyperbole, but Jared isn't unusual. The various online stores are packed with whiny reviews from people with

an astonishing sense of entitlement, and that's frightening for anybody who works or plans to work in any kind of creative industry – and given the links between Apple and creative industries, that means a lot of us.

The problem with people like Jared is that while they may be young and stoopid now, they'll grow up and become older and stoopid – and there's a good chance their contempt for creatives' efforts will live on. We're facing a future that knows the price of everything and the value of nothing.

Gary Marshall hasn't just faced bad reviews: he's been heckled, electrocuted and set on fire although not all at the same time.

CHEAPER THAN YOUR DAILY MORNING COFFEE.

AND MUCH EASIER TO ORDER TOO.

ONLY
£2.45
PER DAY



27" iMAC

£3.45
PER DAY



DOUBLE SHOT, VENTI
FRAPPUCCINO WITH EXTRA
MILK, WHIPPED CREAM,
AND CHOCOLATE SYRUP

ALL OUR FLEXI-LEASE PACKAGES INCLUDE:

MAINTENANCE

- **3 Years** full cover for all hardware with remote and telephone support, plus loan equipment

LEASE RENEWAL

- after only **2 years** we will offer you a renewal to latest equipment and options to keep or return the old machine

OWNERSHIP

- at the end of the lease the equipment is yours for just **£1**

T3



IN PRINT, ON TABLET AND SMARTPHONE

ON SALE NOW

Available on the

Google play

Available on the

App Store

zinio

WWW.T3.COM

STARRING:
SONY SMARTYEGLASS
MOTO X 2015 EDITION
GALAXY NOTE 5
SURFACE PRO 4
APPLE iPAD PRO
AVEGANT GLYTH
KAIROS SSW
BOSCH NYON
NVIDIA SHIELD GRID
HBO STREAMING
PLAYSTATION VUE
ASTON MARTIN LAGONDA
LG G4 CURVED
HENDO HOVERBOARD
SELF-DRIVING CARS
ANDROID 5.0 LOLLIPOP
TESLA MODEL X
SAMSUNG GEAR VR
GOOGLE PROJECT ARA
ELECTRIC AUDI R8



Why this is Apple's best year yet

This year will be about much more than just Apple Watch, just feast your eyes on these...

Words: Gary Marshall Images: MagicTorch & Apple Inc



On a scale of difficulty from one to ten, getting information out of Apple scores a billion: the world's most-watched and most-copied company knows the power of secrecy as a marketing tool and as a way to keep rivals' photocopies powered down.

Predicting what Apple might be doing ten years from now has about the same chance of success as the UK winning the Eurovision Song Contest.

One year, though? That's different.

By combing through Apple's own statements, APIs and patents, checking its suppliers' product roadmaps and subjecting the rumour mill to our patented Fact-o-Tron™, you can divine a surprising amount about Apple's future plans – and when you can't, you can always make an informed guess based on Apple's track record and its rivals' mistakes.

Over the next few pages we'll sift the river of rumours for shiny nuggets of truth, discover what Apple's APIs mean for our front rooms (and fingers), and predict the next generations of Apple hardware. We won't get all of the predictions right, but we're expecting a pretty high score – and there's one thing we're absolutely, positively, one hundred percent sure of: for Apple fans, 2015 is going to be really exciting.



Watch

The wearable that ticks all the right boxes

We don't need to do any guessing here beyond battery life: the Apple Watch is imminent, and there will be versions for every budget from \$350 (about £220 ex VAT) to a rumoured \$4,000-plus (£2,500) for the gold one. Apple clearly thinks it'll be a success, because reports claim that it's placed an initial order for 40 million devices.

In many respects, the Apple Watch is rather like the first iPhone or iPad – a blank canvas for developers' bright ideas. This time the paint is WatchKit, the development framework that Apple was due to publish just as we went to press.

WatchKit is coming in two parts. The first set of APIs will give developers access to two key sets of features: Glances, which enable apps to be swiped up in the same way you swipe up Control Centre in iOS, and Actionable Notifications, which alert the user to something and enable them to do something with it, such as replying to a message or sending a command to a nearby device.

That's part one. Part two is when things get much more interesting, because that's when developers get the whole WatchKit toolkit to create native Apple Watch apps. While some

of Apple's pals will no doubt get early access, we wouldn't be surprised if most developers don't get the second bit of WatchKit until WWDC, alongside the second generation of the Watch OS. Apple's press release certainly hints at that when it says "starting later next year, developers will be able to create fully native apps for Apple Watch."

What will those apps be? We don't know, and that's what's so exciting: it's a brand new category, and if developers are even half as innovative as they've been on iOS we're going to wear some amazing things.



Apple 4K TV

Will Apple jump into the “terrible” TV business?

The rumoured 2014 Apple TV didn't appear. There's still no sign of an Apple TV set, either. Are they set for 2015?

Let's start with the TV. We don't think it's likely yet: while Steve Jobs famously said that Apple had cracked the TV interface, he also said that the TV business was a “terrible” one to be in. People don't replace TVs very often, the margins are awful and global sales are in decline.

A set-top-box is a much better idea, which is why so many firms – hello, Amazon! – have copied the Apple TV, which is already a billion-dollar business for Apple. An update is

overdue, and at the very least we should see a spec bump with more memory and the A7 processor this year. However, a bigger change is coming, and it's called HomeKit.

The perfect home hub

HomeKit is Apple's home automation API, and an Apple TV would make a perfect home hub: unlike iOS devices, it never leaves the house, and it's perfectly placed for all your home automation and entertainment needs. HomeKit support has been quietly added to the Apple TV software, and it positions the device as a “remote

access peer” that you can use to control HomeKit devices when you aren't at home. Rumours also suggest the addition of a microphone in the device or in the Apple Remote, enabling you to control the whole shooting match with Siri.

A frustrating thing about the Apple TV is the lack of content, especially in the UK, where Apple seems uninterested in offering standard apps such as iPlayer. While Apple has added content in the US, the UK is lagging behind; this is driving calls for an Apple TV App Store. If Apple won't add iPlayer and games, let app devs do it.

Streaming

Apple's downloads sales are starting to slip: the *Wall Street Journal* reports a 13% decline in iTunes sales since the start of 2014. That's partly due to streaming, an increasingly crowded market featuring the likes of YouTube Music Key and the ubiquitous Spotify.

Downloads aren't dead, but the money is moving towards streaming –

and Apple has both iTunes Radio and Beats Music. Those two services will become one. A UK launch, this time?

Apple's ‘Made for iPhone’ specs now support headphones connecting over Lightning, which would enable high resolution audio. The iPhone 6 and 6 Plus have the capability to play 24-bit audio (via Lightning), so all

that's missing is the music. Apple's got that too, thanks to its Mastered for iTunes programme, which says that “an ideal master will have 24-bit 96kHz resolution” so that iTunes can take “full advantage of future improvements”. So iTunes Radio for streaming, and iTunes HD downloads for audiophiles, then?

Apple iPad Pro

Best of both worlds?

This is the rumour that just won't go away: a big iPad designed for enterprise customers and called the iPad Pro, or possibly iPad Plus.

The conditions are certainly right for a big iPad, because iPad sales are slowing. That's partly because we hang onto tablets longer than we do smartphones, and partly because big phones are good enough for many people – a trend that Apple's embraced with the iPhone 6 Plus. An enterprise-focused device could shift serious units – especially now that Apple and IBM are best friends – and it would appeal to prosumer users, too.

Smart Active Stylus

The hardware doesn't need to be too different from the iPad Air 2. The bigger screen (rumours say 12.9 inches) would need to be higher resolution, presumably 4K, but the A8X processor is perfectly capable of driving that and the bigger case would mean more room for a bigger battery.

Some speculation has suggested that the iPad Pro will be a hybrid device, either in the form of a tablet-cum-notebook or as a dual-OS device. We don't like either option, and we reckon Tim Cook doesn't either: as he said during Apple's most recent earnings call, "you can merge a toaster and a refrigerator, but that's probably not going to be pleasing to everyone." Why run OS X when you have a 64-bit, touch-first OS designed specifically for Apple's mobile devices? Why make a hardware hybrid when you could simply craft a Smart Cover with a keyboard in it?

One rumour that might be credible is the iPad Pro's stylus. Yes, Steve Jobs slammed styli – but Apple's patented a smart "Active Stylus" with multiple tips and a light sensor, and it's patented other stylus ideas in the past. You'll recall that Steve Jobs also slammed small tablets; two years later Apple launched the iPad mini.



Retina Macs

The future of all Apple displays is clearly Retina – no pun intended – so it's not a question of whether the smaller 21.5-inch iMacs will get Retina; it's a question of when Apple is going to do it. We'd expect them sooner rather than later, because it just so happens that if you take the panel from a 5K Retina iMac and cut it from 5K resolution (5120 x 2880) to 4K (3840 x 2160), you end up with a panel of around 21 inches. How very convenient...

That's not the only place we'd expect those panels to end up: a 5K display for the Mac Pro would delight video and imaging pros, but they'll probably have to wait for the next Pro: the current Thunderbolt interface doesn't have the bandwidth for 5K video, and while the Thunderbolt 3 spec does, it requires Intel's Skylake architecture, which is the successor to the Broadwell processors.

Taking the tablets

As far as the iPhone is concerned, 2015 is likely to be a 'tweener year: if Apple follows its usual pattern the next models we'll see will be 's' models, such as an 'iPhone 6s'. That means the same design, a few minor spec bumps and at least one headline new feature, which may well be the same inductive charging we've already seen in the Apple Watch, or the sapphire glass everyone expected to see in the 6. We're hoping that Apple doesn't bin four-inch iPhones now it has the 6 and 6 Plus: iPhone 6C, anyone?

We're not expecting massive changes to the iPad (although a massive iPad is likely), and the non-Retina iPad mini probably won't last long. Reports suggest Apple plans to scale back all mini production, partly because of the success of the more profitable iPhone 6 Plus.

Apple Retina MacBook Air

Thin enough to slice atoms...

If you're wondering where the long-rumoured Retina MacBook Air is, you can blame Intel: ongoing manufacturing problems with its Broadwell processors mean that the low-power chips have been plagued with massive delays.

That leaves Apple with three choices: use the current Core M processors, wait for Broadwell, or wait slightly longer for Broadwell's replacement, Skylake. The Core M is the worst option; the iPad 3 had to get bigger, heavier and slower to charge in order to cope with its Retina display. Compromises like this wouldn't be ideal for a laptop whose key selling points are lightness, thinness and battery life, and they don't chime with rumours of a super-thin new fan-free design.

Super Skylake processors

Broadwell processors are 30% more efficient and have better graphics performance to boot, but the delays have gone on for so long that by the time any Broadwell-powered MacBook Air ships, Broadwell's replacement will be just a few months away. Intel's Skylake processors don't just sip power: they also support wireless charging, wireless docking and wireless data transfer. We've waited this long for a Retina Air; why rush now to use processors that are already on the brink of obsolescence when Skylake is so near?

Whichever processor powers it, a Retina screen is a given – and according to Canalys analyst Daniel Matte, the MacBook Air will come with an 11.88-inch screen running at 2732 x 1536. That's the same pixel density as the iPad Air, which means it can use the same panels. Other tipsters say it's so thin that Apple has had to redesign the MagSafe port and embrace the tiny USB Type C, and one rumour says it'll come in the same range of colours as the iPhone and iPad.



OS X 10.11

OS X and iOS won't merge this year, if ever. While they have a great deal in common from their interfaces to iCloud and Handoff, they remain separate operating systems for separate uses. We'd expect the iOS-ification of OS X to continue in 10.11 though, with Siri and possibly Control Centre making their way to the Mac; the latter appeared in leaked screenshots of

Yosemite, so Apple was clearly thinking about it. Apple Pay could make it across too, although that might require pairing your Mac with a Touch ID-enabled device.

As for iOS, we'd expect to see rebranded Beats Music, the addition of public transport in Maps, and Family Sharing to be supplemented by multiple user accounts like Macs and (shh...) Android.

Other Android ideas that might make it into iOS are battery saving mode and per-account parental controls, while rumours suggest that the long-proposed split-screen multitasking for iPads will debut with the iPad Pro, and possibly arrive on the other full-sized iPads, too. The iPad 2, first-gen iPad mini and iPhone 4S probably won't be invited to the iOS 9 party.

SUBSCRIBE

Subscribe to Mac FORMAT

Choose the perfect
package for you!

DIGITAL



Instant digital access on your iPad and iPhone, with exclusive video tutorials on iPad, extra content, fully searchable articles and more

**ONLY £10.99
EVERY 6 MONTHS**

Your subscription will then continue at £10.99 every 6 months – **SAVING 50%** on the shop price

PRINT



Every issue delivered to your door at a fraction of the cover price

**ONLY £23.49
EVERY 6 MONTHS**

Your subscription will then continue at £23.49 every 6 months – **SAVING 40%** on the shop price

SUBSCRIBE

BEST
VALUE!



PRINT + DIGITAL

Every new issue
in print and on iPad,
iPhone and Android

Exclusive video
tutorials, extra
content, fully
searchable articles,
and more in the
digital edition

Never miss an issue,
with delivery to your
door and your device

Huge savings,
the best value for
money, and a money-
back guarantee

Instant digital
access when you
subscribe today



ONLY £28.49
EVERY 6 MONTHS

Your subscription will then continue at £28.49 every six months –
SAVING 40% off the shop price and giving you an **81% DISCOUNT** on a digital subscription

Two easy ways to subscribe...

Online myfavouritemagazines.co.uk/MACsubs

Call 0844 848 2852 Please quote PRINT14,
DIGITAL14, BUNDLE14

Terms and conditions Prices and savings quoted are compared to buying full-priced UK print and digital issues. You will receive 13 issues in a year. If you are dissatisfied in any way you can write to us or call us to cancel your subscription at any time and we will refund you for all unmailed issues. Not all extra digital edition bonus features will be available on all devices. Prices correct at point of print and subject to change. For full terms and conditions please visit myfavm.ag/magterms. Offer ends 22 January 2015.

Master your Mac today!

Whether you want to be more efficient, solve problems or just get more done, we'll show you how with dozens of tips to help you boost your Mac's performance

Words: Kenny Hemphill Images: Paul Blachford

Whatever you use your Mac for – whether it's work or pleasure, whether you spend hours in front of it every day or only a couple of hours a week, and whether you've been using OS X for years or are a relatively recent adopter, the chances are that you're not using it quite as efficiently or effectively as you could be.

It might be that you're clicking and pointing at menu items instead of saving time with a keyboard shortcut, or that you haven't configured text shortcuts that suit the way you work; maybe you keep inadvertently invoking Mission Control or Safari's tab previews because your trackpad setup isn't optimised for your work activities.

But don't panic: over the course of this guide, we'll fix that. We'll show you how to set up your Mac so it's perfectly suited to the way you use it and so that you can get the most out of it, whether for work or fun. We'll help you iron out the wrinkles that creep into all of our routines, troubleshooting problems, cutting stress and saving you time in the process.

We've also got a bunch of keyboard shortcuts for you to memorise; from the ones you should be using already right through to those you may not have known even existed. All you have to do is train your hand to reach for the keyboard rather than the trackpad or mouse.

And, if that's not enough, we'll show you how to make your Mac run faster, too. Let's get started...



MASTER YOUR MAC



Improve the way you interact with your Mac

Swipe four fingers this way for this, tap two fingers for that – customise your trackpad and Magic Mouse to do all the hard work for you

Mouse and trackpad tips

1 Customise trackpad gestures for pointing and clicking

Open System Preferences > Trackpad from the second row. Click on the first tab, 'Point & Click'. If you'd rather tap your Mac's trackpad than press down to click, check the first box. If you want to add a secondary click (a ctrl -click action), check the next box down and choose one of the options from the drop-down menu.

The next option is very useful. Check it and you can tap any word in any document with three fingers to look it up in the Dictionary, Thesaurus and Wikipedia. Finally, to move windows by dragging with three fingers, check the bottom box.

2 Control the way you scroll and zoom in and out of documents

Your Mac is configured to allow you to zoom in and out of images and web pages by either pinching and unpinching with two fingers or by tapping the trackpad with two fingers to activate what Apple calls 'Smart Zoom'. That can be very useful, but can also be confusing if, say, you tend to leave your thumb resting on the trackpad. To switch off this behaviour, tap on the Scroll & Zoom tab in the Trackpad System Preferences pane and uncheck the second and third boxes. If you don't want to rotate an image with your fingers on the trackpad, turn that off, too.



Be careful when customising some of the trackpad shortcuts – they can be triggered accidentally by resting digits.

3 Change the default gestures for navigating in OS X

In OS X, you can activate Launchpad, Exposé and slide between full-screen apps using either three or four fingers to swipe across the trackpad. The default is four, but we prefer to use three. To change it, click on the More Gestures tab in the Trackpad pane, make sure the relevant items are checked. Choose 'Three fingers' from the drop-down menus. If you set swiping between full-screen apps to use three fingers, make sure you also set the 'Swipe between pages' option to two fingers to avoid confusion.

4 Use gestures in QuickTime Player

In addition to system-wide gestures, there are some that only work in specific apps. In QuickTime Player, drag two fingers from left to right across the trackpad to scrub forwards through video. To return to normal speed, just lift your fingers from the trackpad. Drag two fingers from right to left to scrub backwards. The further across the trackpad you drag, the faster the video will scrub. To enter full-screen mode, spread two fingers across the trackpad. To leave full-screen, pinch with two fingers.

5 Configure scrolling with a Magic Mouse

Apple's Magic Mouse uses many of the same gestures as the trackpad, and you can customise them. To change the direction pages scroll when you swipe up and down with one finger, open the Mouse pane in System Preferences, click on Point & Click. Uncheck 'Scroll Direction: Natural'.



The sleek Magic Mouse acts as both a mouse and a trackpad in one. It takes some getting used to, but it's a real time-saver.

You can switch off the secondary ctrl -click on the right-hand side of the mouse here, if you find the lack of a separate external button confusing. We find, though, that if you leave it on, you get used to it.

6 Customise navigation gestures for Magic Mouse

You can swipe between pages and full-screen apps, as well as activate Mission Control, using gestures on the Magic Mouse. Navigating pages can be done with one or two fingers. If you set it to one, make sure you uncheck the 'Swipe between full-screen apps' option in the More Gestures tab of the Mouse pane to avoid confusion. If you don't use Mission Control, uncheck the box that allows you to activate it with double-tap. Finally, to check your mouse's battery level, click on the Bluetooth menu bar item and hover over the Mouse that's connected.



Keyboard shortcuts

1 Navigate the Finder

These three shortcuts are great for navigating the Finder quickly and opening the precise folder you want to go to. If you hit $\text{⌘}+\text{↑}+\text{A}$ in the Finder, it will open up a new window and navigate to the Applications folder. Swap the 'A' for 'U' – so $\text{⌘}+\text{↑}+\text{U}$, instead – and it will open the Utilities folder. $\text{⌘}+\text{↑}+\text{D}$, on the other hand, goes to the Desktop. You can also use these keyboard shortcuts in an open Save dialog box to navigate to the respective folders in order to save files there.

2 Look up the Dictionary, Thesaurus and Wikipedia

We described earlier how tapping with three fingers while the cursor is over a word will look up that word in the Dictionary, Thesaurus and Wikipedia. If you don't have a trackpad or Magic Mouse, however, you can press $\text{⌘}+\text{↑}+\text{D}$ while the cursor is over a word (in some cases, such as words with apostrophe-denoted abbreviations such as 'don't', you may have to select the whole word) to display its definition, synonyms and Wikipedia entry.

3 Take screenshots

Taking screenshots can be useful, such as it being a record of an online transaction. To grab the whole screen, use $\text{⌘}+\text{↑}+\text{3}$. If you don't need the whole screen, you can grab either a selected area or a window. To grab an area you define, press $\text{⌘}+\text{↑}+\text{4}$ and then drag the crosshairs over the area you want to grab and let go. To grab a window, press $\text{⌘}+\text{↑}+\text{4}$ and then [Spacebar]. Hover the camera icon over the window you want to capture and press the mouse or trackpad button.

4 Force Quit applications

It's rare that applications grind to a complete halt, but if they do, forcing them to quit usually solves the problem and allows you to carry on using your Mac and re-launch the app. To Force Quit any open application, press $\text{⌘}+\text{Esc}$. This pulls up the Force Quit window, from where you can select the app you want to force to shut down. If you'd rather Force Quit the app you're currently using without displaying the window, use $\text{⌘}+\text{Esc}+\text{↑}+\text{Esc}$ instead. Like we said, on most occasions, this method will fix a misbehaving app.

5 Switch between open applications

OS X's application switcher is one of its great secrets; it's incredibly useful, yet seldom used. To

To switch between open applications, hold down $\text{⌘}+\text{→}$. This will bring up a horizontal bar like the one above.

invoke it, press and hold ⌘ , then tap \rightarrow . You'll see a window appear at the centre of your Mac's screen, displaying the icons of the currently open applications. Press \rightarrow again to move the cursor to the next application on the right. Let go of both ⌘ and \rightarrow to switch to that application. You can also navigate the application switcher using the cursor keys (\blacktriangleleft and \triangleright), or tap the Tab key to cycle through the applications.

6 Make the Finder more useful

Apple has simplified the information displayed in the Finder in recent versions of OS X, but you can change that. To see the status bar at the bottom of a Finder window, press $\text{⌘}+\text{/}$ or to see the path bar, use $\text{⌘}+\text{Esc}+\text{P}$.

In the Recent Items section of the Apple menu, hold down the ⌘ key to navigate to the folder in which the item is enclosed. In Spotlight, holding down ⌘ displays the item's path at the bottom of the window, and pressing Esc takes you to the enclosing folder.

7 Log out of your account or shut down instantly

If you want to log out of your Mac quickly without navigating to the Apple menu, use

⌘+⏏+⏏. You'll still need to confirm you want to log out, but all you have to do is press ⏎.

To instantly shut down your Mac, without any further confirmation, press ⌘+⏏+ctrl+ either ▲ or the Power button at the top-right of the keyboard (depending on what Mac you're using). To put your Mac to sleep rather than shutting it down, eliminate the ctrl key from that sequence so it becomes ⌘+⏏+▲/the Power button.

8 Working with text documents

To delete a character to the right of the cursor, you can use ⌘+D instead of ⏎. To go to the end of a line, press ⌘+▶; to go to the beginning, use ⌘+◀. To move to the beginning or end of a word, use ⌘ instead of ⌘. And to move to the beginning or end of a piece of text, press ⌘+▲ or ⌘+▼. To select text up to that point, add ⌘ to the sequences.

9 More text shortcuts

To display the Emoji character palette, press ⌘+ctrl+[Spacebar]. You can now click on any character to add it to your document. To see a list of suggestions for your next word as you type, or to see suggestions for how to complete the word you are typing, press esc. To display a list of alternative characters, press and hold the character. Pressing and holding 'e' displays the letter 'e' with different accents, for example.

10 Safari keyboard shortcuts

To open a new tab, press ⌘+T, or ⌘+N for a new window. To move to the next



tab, hit ⌘+➡, or to the previous one, ⌘+⬅. To open one to the first nine bookmarks in the Bookmarks Bar, use ⌘+(a number from 1 to 9). To scroll down one full screen, press [Spacebar], and to move up one full screen, hit ⌘+[Spacebar]. ⌘-click a link to open it in a new tab, or ⌘+➡+🖱️-click to open in a new window.

11 Mail keyboard shortcuts

In Safari, press ⌘+🖱️+I to open a new Mail message and paste in the URL of the page you're viewing. To send a message, use ⌘+🖱️+D. To reply to a message, hit ⌘+R, or if you want to Reply All, hit ⌘+🖱️+R. To navigate to your inbox, press ⌘+1, or to go to other mailboxes in your Favourites, press ⌘+2, 3, and so on. If you want to delete a message

These keyboard shortcuts will soon ensure that your left thumb and the left-hand ⌘ button become best friends.

without selecting the next one down and marking it as read, press ⏎ as you hit ⏎.

12 Other handy shortcuts

To change the volume without confirmation audio alerts (or with them, if you have de-selected the option in System Preferences), hold down ⌘ when you press the volume button. To adjust volume in smaller increments, press ⏎+🖱️ when you press the volume button.

To quickly search OS X's Help, press ⌘+🖱️+F and to launch an app without opening windows that were open when you closed it, hold down ⌘ when you launch.

Dictation tips

1 Use Enhanced Dictation

You'll usually need an internet connection to use Dictation, since the processing is done on Apple's servers. To use Dictation offline, you need to enable Enhanced Dictation. Go to System Preferences > Dictation & Speech > Dictation tab and check the box marked Use Enhanced Dictation. Your Mac will download a file (a few hundred megabytes in size) so it can do the processing and provide you with live feedback.

2 Advanced Dictation Commands

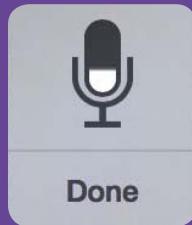
In Yosemite, Dictation Commands have been added to Dictation, replacing Speakable Items. You need to turn on Enhanced Dictation (tip 1, above). When your Mac has

downloaded the additional data, go to the Accessibility pane in System Preferences, from the View menu. Scroll to Dictation, select it and click Dictation Commands. Check 'Enable advanced commands'.

3 Display Dictation Commands

To display a list of commands that you can dictate to your Mac, tap the fn key twice to activate Dictation. Say 'Show commands'. The list of commands will display and you can

then scroll through them or search them. Dictation carries on listening, so you can hide the list again by saying 'Hide commands'. Alternatively, you can close or minimise the window by using the traffic light buttons.



paragraph,'Go to beginning', and so on. That doesn't mean you have to speak them like that, though. Dictation is smart enough to understand natural language, so you can say 'Go to the beginning of the paragraph,' instead. It's a small change, and some people prefer to use the abbreviated versions, but it feels more natural, and so makes using Dictation easier.

5 Create your own Dictation Commands

To create a command that types 'MacFormat' when you say 'macformat', open the Accessibility pane in System Preferences and select Dictation. Click Dictation Commands and then press the '+' at the bottom of the list. Type 'macformat' in the When I Say box, then choose Paste Text from the Perform list. Type 'MacFormat' into the box that sits below. You can use this to create shortcuts for long passages of text too, by giving them a unique 'When I Say' and typing the passage into the 'Perform' box.

4 Use natural language

When you look at the list of Dictation Commands, you will notice that they are abbreviated, such as 'Go to end of

PUT THE PEDAL TO THE METAL PLAY BIG

Mad Catz iOS gamepads unleash the core gaming power of your phone and tablet.



Compatible Games



C.T.R.L.TM
:: MOBILE GAMEPAD ::

MICRO C.T.R.L.TM
:: MOBILE GAMEPAD ::



Available now from these fine retailers:

amazon.com

 newegg.com

store.madcatz.com

iOS

Made for   



©2014 Mad Catz, Inc. Mad Catz, C.T.R.L., Micro C.T.R.L. and the Mad Catz logo are trademarks or registered trademarks of Mad Catz, Inc. Interactive, its subsidiaries and affiliates. iPad, iPhone, and iPod are trademarks of Apple Inc., registered in the U.S. and other countries. All other product names and images are trademarks or registered trademarks of their respective owners.

22 amazing system tips that really work!

Check out these handy pointers that will not only save you time and make you a more efficient worker, but also are kinder to your Mac's life, too

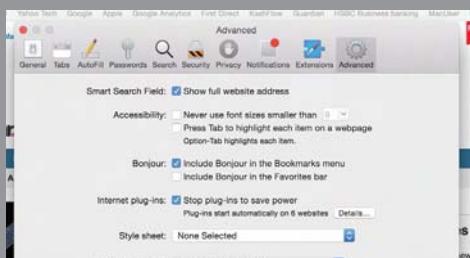
Disconnect from a Wi-Fi network

In previous versions of OS X, the only way to disconnect from a Wi-Fi network was to turn Wi-Fi off and turn it on again, or connect to another network. Now, thankfully, you can do it with just a single click. Hold down  and click on the Wi-Fi menu. You'll see a raft of options along with data about your current connection. Underneath the current network is the option to 'Disconnect from xxxx' (in this case, 'xxxx' being the name of your network). Click on it and you'll be disconnected.



Force Safari to display the full web address

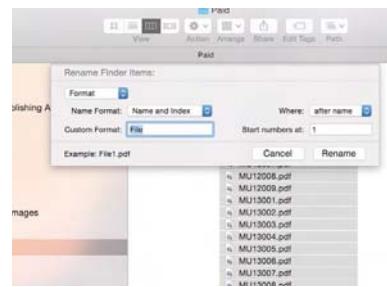
Safari no longer displays the full URL in the address bar. You can change this and make it display the whole address by going to Preferences in Safari, clicking on the Advanced tab and checking the box marked 'Show full website address'. If you don't like the Spotlight suggestions that pop out of Safari's address bar, you can turn those off in the Search pane of Safari's preferences: uncheck 'Include Spotlight Suggestions' opposite 'Smart Search Field'.



Sometimes you might want to see a full URL to see a reference point from, say, amazon.co.uk.

Quickly rename files

In Yosemite, you can batch-rename files right in the Finder. Open a new Finder window and select all the files you want to rename by -clicking the first and last file (if they're all together), or -clicking each one (if they're not). -click over the files and choose 'Rename x items', where 'x' is the number selected from the list. In the window that pops up, you can choose how to format the files and whether to replace or add text.



You no longer need a third-party application to rename files in batches if you're running Yosemite.

Record your iPhone or iPad output on your Mac

Before Yosemite, if you wanted to create a video of your iPhone or iPad screen, you needed additional hardware and software such as Elgato's Game Capture HD. Now all you need is your iOS device's USB cable.

Plug the cable into the Lightning port on your iPhone or iPad and then into a USB socket on your Mac. Launch QuickTime Player and choose New Movie Recording or New Audio Recording from the File menu. By default, QuickTime will take input from your Mac's iSight camera, but you can change that by clicking the down arrow next to the record button and choosing your iPhone or iPad. Now when you press record, QuickTime will grab the audio and video output from your iOS device and record it. You can use it to make play-through videos of iOS games, video reviews of apps, or anything else you want to grab.

You don't even need to record the output; you can use QuickTime as a way to 'mirror' output on your Mac, like a wired version of AirPlay mirroring. Expand the QuickTime window to full-screen and you can play iPad or iPhone games using your Mac's display.

Annotate images and PDFs in Preview

Preview also allows you to annotate and, in Yosemite, sign PDFs. Open an image file or PDF in Preview and click on the Toolbox icon. To add text, click the 'T', or to draw a shape, click on the shape menu and choose one from the drop-down list. To draw freehand, click the pencil. You can change the colour and the thickness of the lines, too. When you draw a shape freehand in Yosemite, Preview automatically smoothes it. To sign a PDF in Yosemite, click on the signature button next to 'T' and select 'Trackpad'. Click the button to begin and then sign your name using your finger on the trackpad. Press any button to finish and drag the signature to the place in the document.



To sign a PDF document digitally, Preview lets you to use your trackpad to draw it.

Change the default app for opening a file

The easiest way to open a file is to double-click it in the Finder. But what if when you do that it opens in an application other than the one you want? To fix that, right-click or **ctrl**-click on the file in the Finder and choose Get Info from the drop-down menu. In the window that opens, two-thirds of the way down, click on the menu under 'Opens with' and choose the application you want. If you want every file of that type to open with the same application, click Change All.

Change your Mac's default email app and web browser

OS X sets Mail as your default mail browser, so when you click a mail link in a web browser, it opens Mail. That's fine if you use Mail for email; if you don't, you can change the default by opening Mail > Preferences (from the Mail menu). Click the General tab and then pick another email client from the menu opposite 'Default email reader'. To change your default web browser in a pre-Yosemite version of OS X, open Safari, go to Preferences > General tab. In Yosemite, open the General tab in System Preferences and choose an app from the menu next to 'Default web browser'. Only those apps you have installed will be shown.



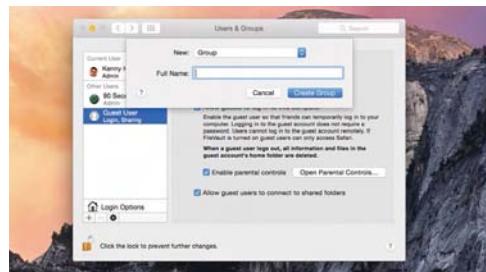
Perform conversions in Spotlight

You no longer have to head to Google to convert measurements, currency, or anything else – in Yosemite you can do it in Spotlight.

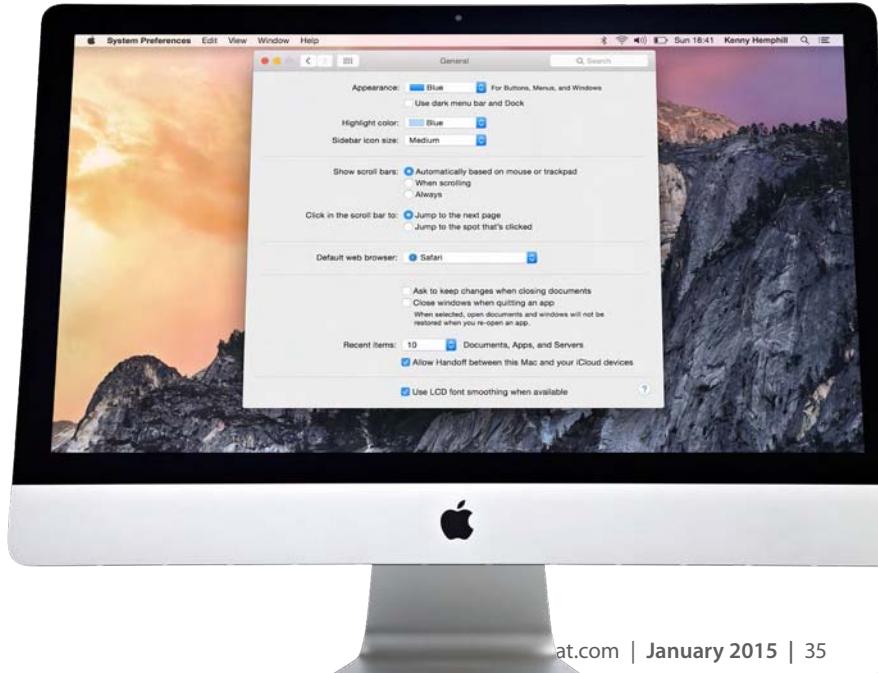
Open Spotlight and type in '100 eur' and you'll see a list of conversions in other currencies in the results window, with Sterling the most prominent. Try another; for example, '24 c' shows the temperature 24°C in Farenheit and '16 miles' displays that distance in kilometres and, below that, in several other units.

Create a Group account

When you set permissions to control access to folders in OS X, you normally set them on a user-by-user basis. If you have lots of user accounts, that can be laborious. The answer is to create group accounts and use those to set permissions. Go to System Preferences and Users & Groups. Click the '+' at the bottom of the window, select Groups from the menu, give it a name and then Create Group. Now click on the new Group and tick the box next to the users that you want to add to it.



Creating a Group account allows you to manage permissions for multiple users simultaneously.



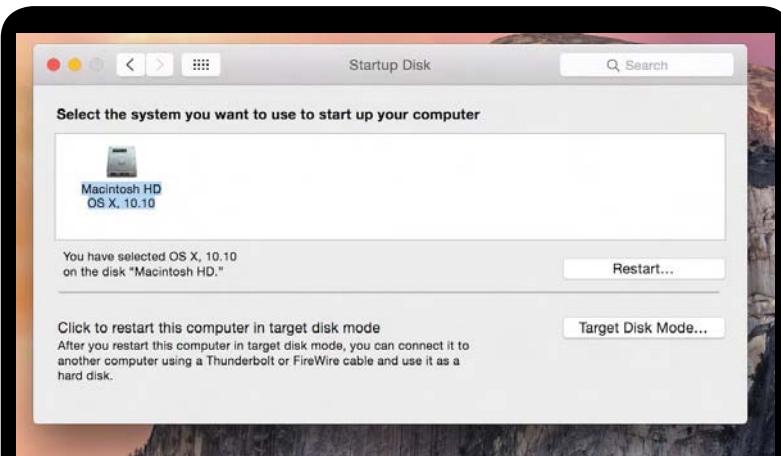


Don't like translucency or animation in OS X? Simply turn it off.



Make using your Mac more comfortable

The increasing use of animation in OS X – along with the introduction of translucent background for some windows – has made life rather uncomfortable for some users. If that happens to be you, go to System Preferences > Accessibility > Display and then check the box marked Reduce Transparency. Experiment with the other options to see which work best for you. To invoke Yosemite's Dark Mode, go to the General pane and check 'Use dark menu bar and Dock'.



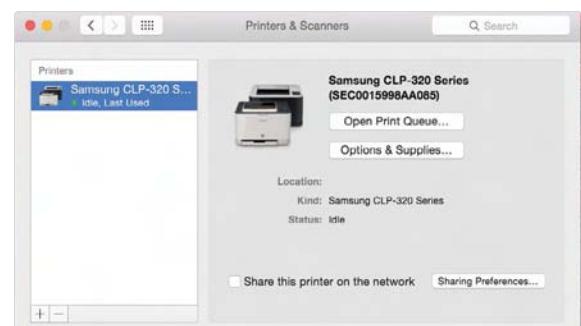
Boot from another disk or partition

Whether you want to run Windows using Boot Camp, a beta version of the next Mac OS or need to repair your startup disk, booting from another partition is very useful. Go to System Preferences > Startup Disk

and then click on the disk you want to boot from (if it's plugged in), or restart your Mac holding down \square and select the disk volume you want when prompted. Use the latter method to boot into OSX's Recovery Partition.

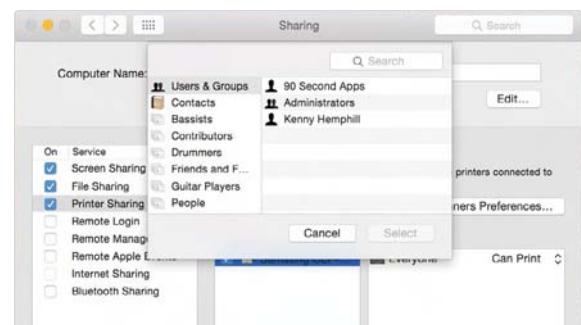
How to share a USB printer on a network

Many of us now have printers that sit on Wi-Fi networks rather than connect directly to a Mac, but if yours is a directly connected model, you can still share it on a network so long as the Mac it's connected to is running.



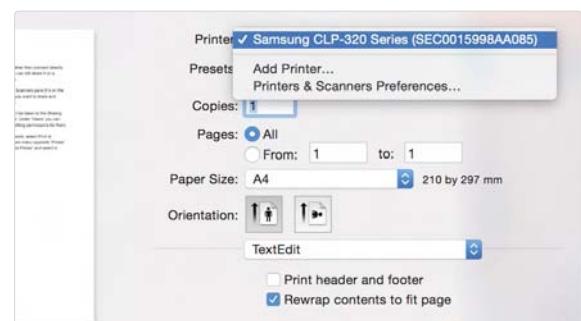
1 Choose the printer to share

Launch System Preferences then go to the Printers & Scanners pane (it's on the second row, second from the right). Click on the printer you want to share and check the box marked 'Share this printer on the network'.



2 Set Sharing Preferences

Click on the button marked Sharing Preferences. You'll be taken to the Sharing Preferences pane with your printer selected to be shared. Under 'Users' you can specify who can print by adding users individually and then setting permissions for them.



3 Add Printer

When you come to print from another Mac on the network, select Print (or hit $\text{⌘} + \text{P}$) and then in the dialog box click on the drop-down menu opposite 'Printer' and then select the shared printer. If it's not there, choose 'Add Printer' and select it.

100% more informed
30% more forests

No wonder
you  paper



Did you know that forests in Europe, which provide wood for making into paper and many other widely used materials, are 30% larger than in 1950? In fact they're increasing by 1.5 million football pitches every year.[†]

Magazines are printed on paper from natural and renewable wood which is all good to know if you love reading your favourite magazine.

†World Forest Resources, 1953 and UN FAO Global Forest Resources Assessment, 2010

To discover some surprising environmental facts about print and paper, visit www.youlovepaper.info



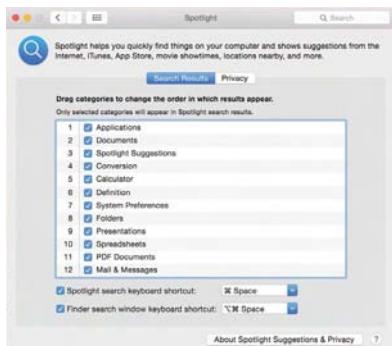
Two Sides is an industry initiative to promote the responsible use of print and paper as a uniquely powerful and natural communications medium.

Print and Paper. The environmental facts may surprise you



Configure Spotlight so it becomes much more useful

Spotlight, by default, lists Applications that meet your search criteria first of all, followed by Spotlight suggestions (in Yosemite). If you normally use it to find files or folders, go to System Preferences > Spotlight, and then click-and-drag Documents to the top of the list.



Repeat this same process for Folders, if necessary. Uncheck any categories you don't want results for. If you want to exclude folders or volumes altogether, click on Privacy and drag them into the window.

This process allows you to prioritise the way Spotlight organises its results in a way that suits you.

Diagnose performance issues with your Mac

If your Mac is running slowly or you experience other performance problems, fire up Activity Monitor (it's also in the Utilities folder). Click the CPU tab and then the CPU % column. You should be able to see if any processes are hogging CPU cycles. If you find one, press 'X' in the toolbar to quit it. Click the Memory tab to see similar information for RAM usage, and Energy to see which apps are sucking your MacBook's battery life.



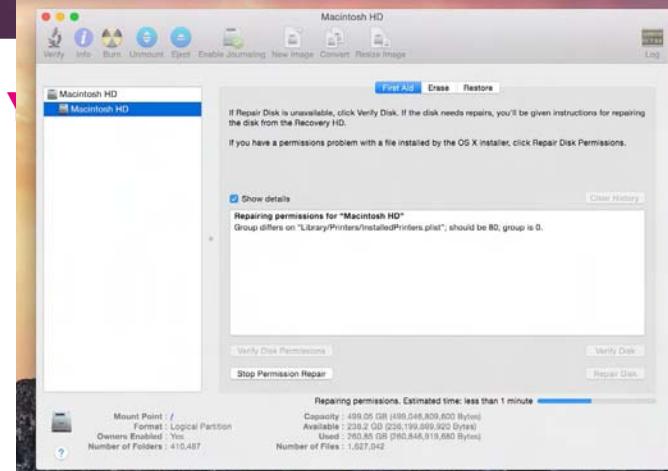
Activity Monitor has a wealth of useful information. Click a column heading to sort by that column.

Manage Notifications

In Mavericks and Yosemite, you can control which apps display notifications and how they do it. Go to System Preferences and open the Notifications pane. First of all, choose when Do Not Disturb should apply. Then click on each app in turn and check the boxes in the main window to dictate whether the app should be in Notification Center and how it should alert you to new notifications. Finally, choose whether to sort Notification Center by time or by choosing which apps come first.

Set up Parental Controls

If you have children, you can control what they can access while they're logged into their account. Go to System Preferences and click on the User & Groups pane. Click the padlock and type in your password. In the Apps tab, choose which groups of apps you want your child to access, and set an appropriate age restriction for App Store apps. Click through the other tabs making the selections you want. In the Time Limits tab, you can specify when and for how long your child can use the Mac.



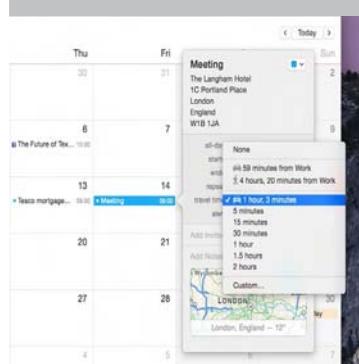
Fix disk problems

If your Mac is misbehaving, a good first step is to open Disk Utility (in the Utilities folder in Applications). Click on your startup volume (usually Macintosh HD), then on the First Aid tab. Now click the button marked Repair Disk Permissions. If Repair Disk is greyed out, click Verify Disk to check the disk's file system structure is all right. If that reports problems, you may be able to fix them in Disk Utility and then run Repair Permissions.

Calculate travel time to appointments

On any Calendar appointment with a location attached to it, double-click the appointment to open the info window. Click on the date and time and in the window that opens. Click on the menu opposite Travel time. Calendar will calculate the walking

and driving time from your Home or Work address. For detailed directions, click on the map below to launch Maps to see directions (with both Drive and Walk tabs).



Calendar integrates with Maps to show you how long it should take to get to an appointment.



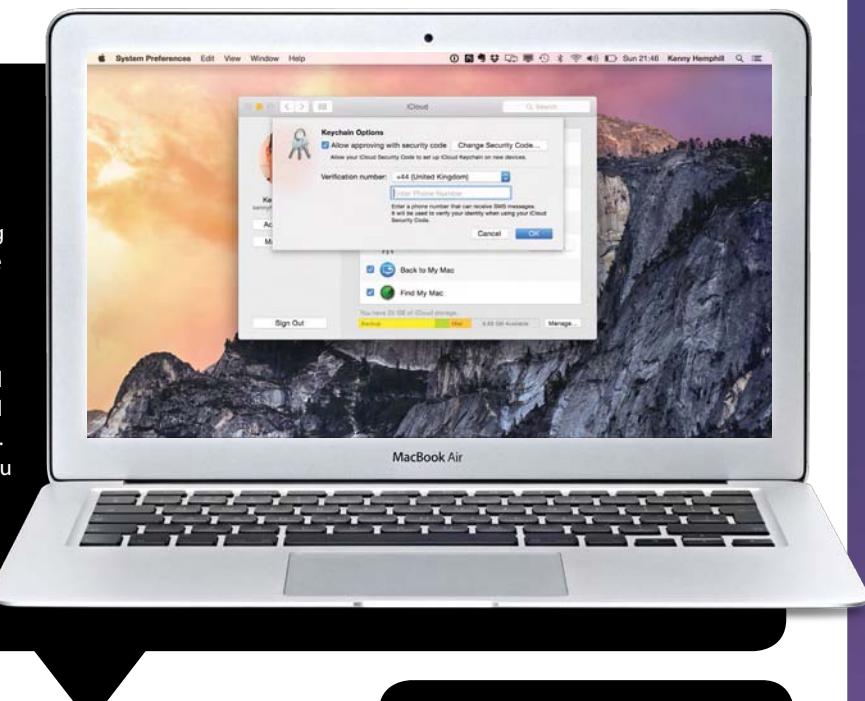
Parental Controls are useful for controlling how long users can spend on your Mac, as well as what they can access.

Set up iCloud Keychain

You can use iCloud to share passwords between your Mac and iOS devices. First, set it up on your iPhone by navigating to Settings > iCloud > Keychain and setting it to On. Choose a passcode by following the on-screen prompts.

On your Mac, go to System Preferences, then iCloud. Check the box next to Keychain. Now choose whether or not to set a password to unlock the screen. Next, you'll need to type in your Apple ID password. When that's done, iCloud needs to get verification from the iOS device you just set up. Click Use Code and a passcode will be sent to the iPhone you just set up. Type the code into the box on your Mac to complete the verification.

Never write down a password again – remember that iCloud Keychain shares them between your Mac and iOS devices.



Access your Mac remotely

Back to My Mac is a part of iCloud that allows you to access files, share a screen and control another Mac remotely. It works with Macs on the same network and over the internet. To set it up, go to System Preferences, then iCloud on your main Mac. Tick the box next to Back to My Mac, then click More or Details (depending on which version of OS X you have). Click the button that says Open Sharing and click the boxes next to File Sharing and Screen Sharing. To use Back to My Mac over the internet, you'll need to set up UPnP on your router. How

you do this depends on your router; you'd usually type the IP address of its homepage into Safari's address bar, log in and then allow UPnP from its settings page. To access another Mac on the same network, repeat the steps above on that Mac. Now when you open a Finder window, you'll see that Mac listed under Devices. Click on it and you can access its filesystem (after a short delay) and open files on the remote Mac or copy them to your Mac. Click on Share Screen and a window will open, showing you that Mac's screen and allowing you to control it.

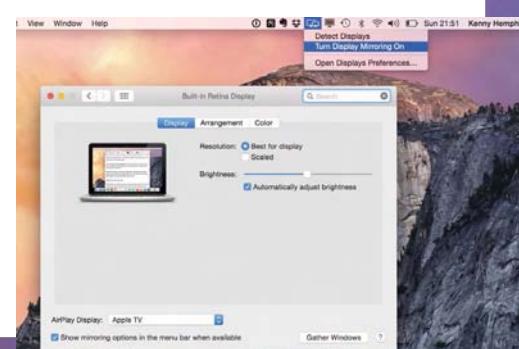
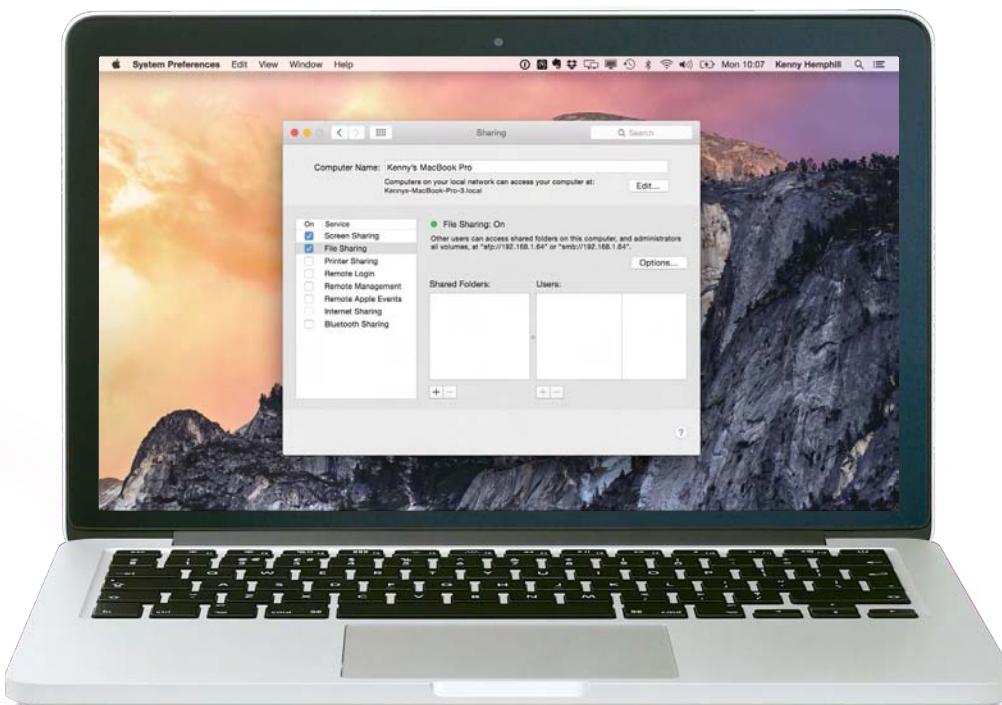
Manage Safari bookmarks

In Safari, click View > Show Sidebar > Bookmarks. To remove or rename individual bookmarks, right-click on them and choose the option you want. Otherwise, click Edit at the bottom of the sidebar. You can now create new folders, delete existing ones and drag bookmarks from one folder to another.

Click Show Sidebar again and this time click the Reading List tab. Right-click items to mark them as read or delete them.

Mirror your Mac's audio and video output on Apple TV

If you have an Apple TV and a Mac running Mountain Lion or later, you can view its screen and listen to its audio on the TV connected to the Apple TV. First, make sure the Mac and Apple TV are on the same Wi-Fi network. On the Mac, go to System Preferences then Displays. Click on the AirPlay Display menu at the bottom of the Display tab and select your Apple TV. Check the 'Show mirroring...' box. In the menu bar item, select Turn Display Mirroring On.



Make your Mac go faster

There are lots of things you can do to improve the performance of your Mac. Here are the ones that will have the biggest impact

1 More RAM

The more RAM you have, the better. One reason that Macs can run slowly is because apps and processes consume lots of RAM, leaving little for the others. But RAM is expensive, and adding it after you've bought a Mac is becoming difficult. The next best option? Minimise how much you use. Don't keep lots of apps running if you're not using them, and close Safari tabs. Use Activity Monitor to identify apps that are hogging your RAM and then quit them.

2 Hard drive space

Also, the more storage space you have on your boot drive, the better. OS X uses it as a cache when it needs more room than is available in RAM. At the very least, keep 10% of your storage available for use. Open a Finder window and select 'Show status bar' from the View menu to see how much is available. Archive documents you don't need to access regularly and consider using an external drive for your iTunes Library. Empty your Downloads folder. Use an app like Gemini to identify and delete duplicate files.

3 Desktop clutter

Those files on your Desktop slow down your Mac, too. OS X draws a new window (complete with Preview) for every file on the Desktop, hogging system resources. If you have dozens of documents scattered around, they will incur a performance hit. File them, Trash them, or put them in a new folder called 'Desktop Clutter'.

4 Spotlight and Time Machine

Spotlight and Time Machine are both terrific features, but they can cause performance issues, particularly if you backup to a network drive or allow Spotlight to index an external volume. To stop Spotlight indexing an external disk, go to the Spotlight pane in System Preferences and click on the Privacy tab. Drag the volume into the window or press '+' and select it. If Time Machine is slowing you down, you can pause a back-up while you get on with work. If it's a regular occurrence, consider using a local external drive as a back-up destination.

5 Shut down/delete unused apps

Apps running in the background use resources and most apps now launch very quickly, so there's no reason to keep them open when you're not using them. Quit them, either by right-clicking their icon in the Dock > Quit, or hit $\text{⌘}+\text{Q}$ to pull up the app switcher, tab to the app and then hit $\text{⌘}+\text{Q}$. Unused apps tie up disk space, so get rid of them. Use an app like AppZapper to remove everything.

6 Restart your Mac regularly

Many of us (especially those who use a MacBook Pro/Air), only restart our Macs when we have a problem. It's so much easier just to close the lid and let it sleep. But restarting your Mac clears out its cache and re-initialises hardware,

and app icons balloon as the cursor passes over them) can affect performance, so consider switching them off. Go to System Preferences > Dock, or choose Dock from the Apple menu if you're not on Yosemite. Uncheck the boxes marked 'Magnification', 'Animate opening applications' and 'Automatically hide and show the Dock'. Click on the 'Minimize windows' menu and choose 'Scale effect'.

8 Empty Safari Tabs/clear cache

Have a look at Activity Monitor's RAM tab and you'll see that some of the most memory-intensive processes are Safari tabs. The more you have open, the bigger the performance hit. Close the ones you're not using – bookmark them if you think you'll need them again. Next, open Preferences from the Safari menu and, in pre-Yosemite versions of OS X, click Reset Safari in the Safari menu and choose Remove all

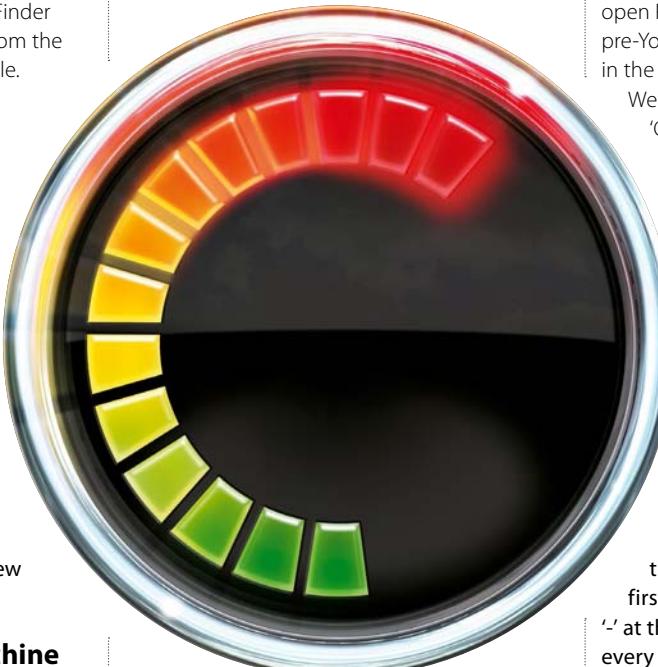
Website Data > Reset. In Yosemite, choose 'Clear History and Website Data' from the Safari menu and pick an option from the drop-down menu.

9 Reduce Log in Items and Restart

Log in items are those apps and processes that automatically start when you restart or log in to your account. They're often related to software you no longer need or use. Go to System Preferences > Users & Groups > Login Items. Click the padlock at the bottom-right of the screen to allow you to make changes, then type in your password. Click on the first login item you don't need and click the '-' at the bottom of the window. Repeat for every log in item you don't want. Now restart.

10 Keep software up to date

Out-of-date software can cause performance problems. In open apps, click on the application menu and select 'Check for Updates'. Download and install them if there are any. Now, go to the App Store pane in System Preferences and check off 'Automatically check for updates', 'Download newly available apps in the background' and 'Install app updates'. Also, click 'Show Updates'. This passes you to the App Store app where you can download them.



and so rebooting regularly can have performance benefits. Also, modern Macs, especially those with SSD drives, boot almost as quickly as they wake from Sleep. If your Mac is running slowly, restart and see if that helps. Now resolve to restart once every few days.

7 Turn off visual effects

If you have an older Mac, animations (such as the way the Dock slides up and down

The UK's premier Smartphone & Tablet repair company

We fix all major brands

Apple iPhone • Apple iPad • Samsung Galaxy • Blackberry
HTC • Sony Xperia • Motorola • Nokia • LG • Asus

Liquid Damage Repairs • Insurance Appraisals
Data Retrieval • Firmware Repairs



same day repairs



parts available



12 month warranty

OTHER REPAIR SERVICES

iPod Repairs
Macbook Repairs
iMac Repairs
Smartphone Repairs
Laptop Repairs
Tablet Repairs
Barcode Scanner Repairs



We are on [f](#) [t](#)

www.medwaymobiles.co.uk | 01634 405 662 | service@medwaymobiles.co.uk
Admiral's Offices, The Historic Dockyard, Chatham Maritime, Kent ME4 4TZ

Refurb iPhones

Are you looking for a professionally refurbished **Apple iPhone** or **Apple iPad**?



www.refurbiphones.co.uk

REFURBISHED APPLES UK

With hundreds of happy customers and handsets sold, you can be sure you are dealing with the UK's leading supplier of professionally refurbished iPhones and iPads. We are a UK registered company offering competitively priced handsets and unrivalled customer service.

Our handsets are meticulously inspected, tested, checked and graded accordingly.

We offer 90 days warranty with supplied handsets and many later models still have remaining Apple warranties.

MOBILE PHONE
REPAIR SERVICES
www.iphonerepairsltd.co.uk

SPARE PARTS FOR
DIY REPAIRS
www.pda-spares.co.uk

Slash your internet, TV & phone bills!

One quick call.
Thousands of deals.

We do the hard work for you:

- 1 Call free and speak to our London based impartial experts.
- 2 We review over 6,000 deals from the top UK providers to find the right one for you - with our Lowest Price Guarantee.
- 3 Our experts do the hard work, answer your questions and even arrange your installation!

LOWEST PRICE
GUARANTEE

We're proud to be the only service to be accredited by Ofcom for TV, broadband and home phone comparison

PRICE COMPARISON
CALCULATOR
APPROVED BY
OFCOM



Save
up to
£408*
per year

83%
of our
customers
save



Call us free and we'll do the hard work!

0800 093 1662

www.techradarstores.co.uk/digitalsave Or text "DEAL" to 81400 and we'll call you

Experts available:
Monday-Friday 8am-8pm,
Saturday 9am-5.30pm,
Sunday 10am-5.30pm

simplify digital



*20% of Simplifydigital customers received an average saving of £408. Data based on 1,538 records between 1st of Jan 2010 to 8th Nov 2010. ** Out of 445 consultations between 01/01/2010 and 03/05/2010, 368 Simplifydigital customers saved money by signing up to our recommended deal. Lowest Price Guarantee Terms and Conditions apply – see www.simplifydigital.co.uk/lowest-price-guarantee for full details. Standard SMS network charges apply.



Teach yourself Black & White Photography

Master mono photography – from visualising the shot through to how to get the best results when editing



Teach yourself Lightroom

Get to grips with Adobe's powerful Lightroom image editing program with our complete instructional course



Teach yourself Photography

Beginner's guide to understanding the key settings on your digital SLR so that you can take better shots

Teach yourself Photography

Available in book, interactive DVD and app versions!



Teach yourself Photoshop

Complete instructional course on mastering Adobe's powerful Photoshop CC image editing program



Teach yourself Photoshop Elements 12

Elements is a more powerful editing program than its low price suggests. We help you unlock its full potential



Teach yourself Raw in Photoshop

Serious photographers shoot in Raw... We give a complete guide to unleashing the power of this professional file format



Get the book and DVD versions today from our secure online store:
myfavouritemagazines.co.uk/photo



Buy the eBooks and interactive video course via the free Photography Week app



IMPROVE



“Recording calls for interviews or work conferences is now really easy to do on your Mac”

Record calls on your Mac p58

THIS ISSUE'S EASY-TO-FOLLOW GUIDES



Tidy up all your photos

With iPhoto soon to be retired, it's time to get your photos organised p44



Customise your Dock

Use cDock to give your Dock a new theme and to add time-saving features p46



Add title graphics in Final Cut

Final Cut has a built-in library of titles for you to use creatively p48



Get better results from Google

Use Google's advanced search operators to improve your search queries p50



How to search with Spotlight

Spotlight in Yosemite enables you to search the web – and more p52



Share files with AirDrop

Wirelessly send files to other Macs and iOS devices around you p55



Command your Mac

Use Automator in Yosemite to automate tasks triggered with voice activation p56



Record calls using your Mac

Recording all kinds of phone calls on your Mac is easier than you think p58



Get to know iCloud Drive

iCloud Drive enables you to put things online from all of your devices p60



QuickType word suggestions

Type quickly and with confidence using predictive text on your iOS 8 device p63

Tidy up all your photos

With iPhoto soon to be retired, it's time to get your photos organised

SKILL LEVEL

Anyone can do it

IT WILL TAKE

15 minutes
to a few hours

YOU'LL NEED

iPhoto



You might have had a bit of a shock on attempting to launch iPhoto on an iPhone or iPad after upgrading to iOS 8. The app was abruptly dead and inaccessible, superseded by Photos, which gained filters and more editing capabilities. In 2015, Apple will bring similar thinking to the Mac, replacing iPhoto with an OS X version of Photos.

Generally, when a desktop app is retired, it doesn't suddenly stop working and force you to migrate to an alternative product. Chances are, you'll still be able to continue using iPhoto for a while – although that's not guaranteed. However, it's clear that if you're an iPhoto user on OS X Yosemite, you should start planning for the future, because Apple's made it clear iPhoto has no future.

Although we wouldn't recommend switching to Photos the instant it's released (hold back a bit to discover whether it's relatively bug-free), it makes sense to use it as an excuse to tidy things up in iPhoto, in preparation. We don't know precisely how iPhoto



iPhoto's been around on the Mac for years, but it's on borrowed time. Soon it'll be replaced by Photos.

If you're an iPhoto user on Yosemite, you should start planning for the future – since iPhoto has no future!

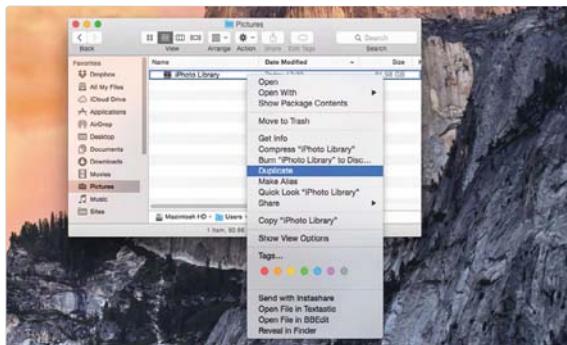
content will map to Photos, but we can make educated guesses that your albums will move across intact; additionally, now's the time to eradicate clutter, such as those blurred shots. Even if you decide to stick with iPhoto (for now) as long as possible, our tips will improve your experience in the app!

Craig Grannell

HOW TO | TIDY UP YOUR iPHOTO LIBRARY

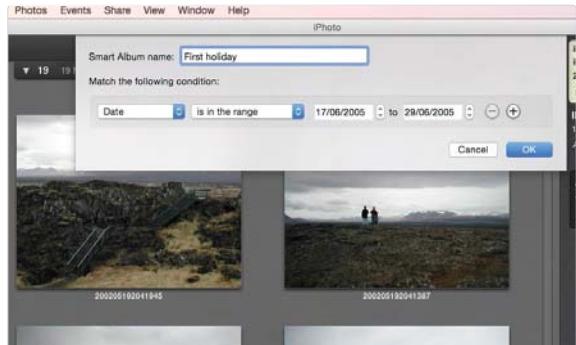
SORT THE SIDEBAR

Old projects and half-finished albums lurk in the sidebar. They take up no disk space but do clutter up the interface of iPhoto (and, soon, Photos). Get rid of things you don't need by selecting and deleting it.



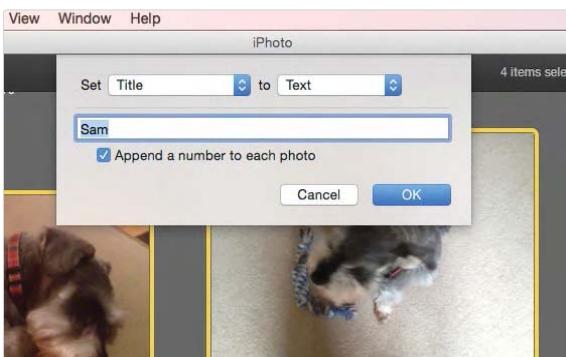
1 Make a back-up

Some of the changes in this walkthrough cannot be undone, so back up your library just in case. It's found in `~/Pictures` and can be copied whole elsewhere on your Mac or to an external memory stick or hard drive. You can later copy it back and use File > Switch to Library in iPhoto if need be.



2 Create some albums

Got a large photo library? Get into the habit of making photos easier to locate by adding them to an album. Use File > New Album, name it and drag photos to it. Or, use File > New Smart Album and add conditions to fill the album with matched images, such as those within a date range.



3 Name your photos

You can name photos and search for that string or create smart albums based on it. Naming files is tedious, so make a selection and go to Photos > Batch Change. In the sheet, use Set Title to Text, type a title, check the 'append' box > OK. Each image will also gain a hyphen and number.

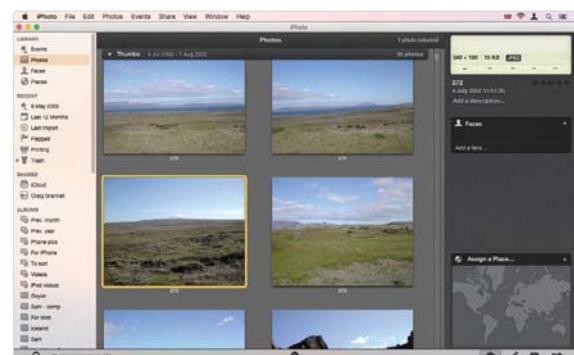


4 Isolate iOS screen grabs

Go to File > New Smart Album. Call the new album 'iOS device grabs'; click the '+' until you have four conditions to edit. Leave 'Match set' to 'all' and set the first condition to show 'Aperture is Unknown'. Set the others to: ISO is Unknown; Filename starts with IMG_; Filename contains PNG.

DUPLEXES KILLER

Duplicates in your library can take up a lot of space – especially videos – and so they're worth pruning. Automating the process makes sense. Duplicate Cleaner For iPhoto (free, App Store) does the job well and enables you to preview prior to deletion.

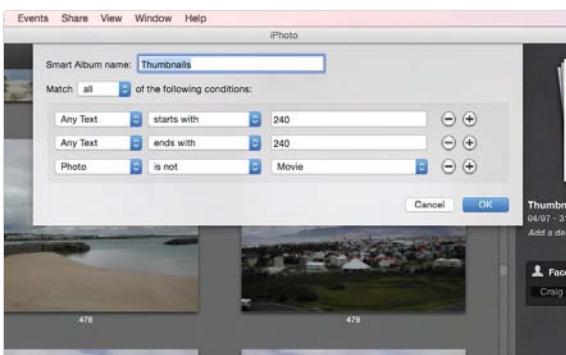


5 Delete your screen grabs

Click OK and you'll have a smart album full of iOS screen grabs. If you want to save them outside of iPhoto, select them all ($\text{⌘}+\text{A}$) and drag them to a Finder folder, or select all and press $\text{⌘}+\text{Shift}+\text{Delete}$. When the sheet appears, click Delete Photos to remove the images from your iPhoto library.

6 Find thumbnails

We know text strings can be useful for later finding images, and this extends to pictures you want rid of, like accidentally imported thumbnails. Find one, click Info and note one of its dimensions in the information panel at the top-right of the window. Next, create a new smart album...



7 Remove thumbnails

The resolution text string could start or end with the noted number, so create two conditions: Any Text starts with [number], and Any Text ends with [number]. Add a third, 'Photo is not Movie', to ensure low-resolution movies aren't included. Set Match to 'all'. Click OK. Select and delete.

8 Empty the trash

iPhoto maintains its own trash, which works rather like the one elsewhere in OS X. This gives you a chance to peruse all the images you're about to delete. If you find something you want to rescue, ctrl -click it and select Put Back. Or, select Empty iPhoto Trash from the iPhoto menu.

JARGON BUSTER

Standard/Smart
Standard albums are managed manually, by you dragging images into it. Smart albums are based on conditions, and are automatically populated based on their values. They're a good way to organise libraries rapidly.

Customise your Dock

Use cDock to give your Dock a new theme and to add time-saving features

SKILL LEVEL

Anyone can do it

IT WILL TAKE

10 minutes

YOU'LL NEED

OS X 10.9 or later,
cDock 6.0.6 or later



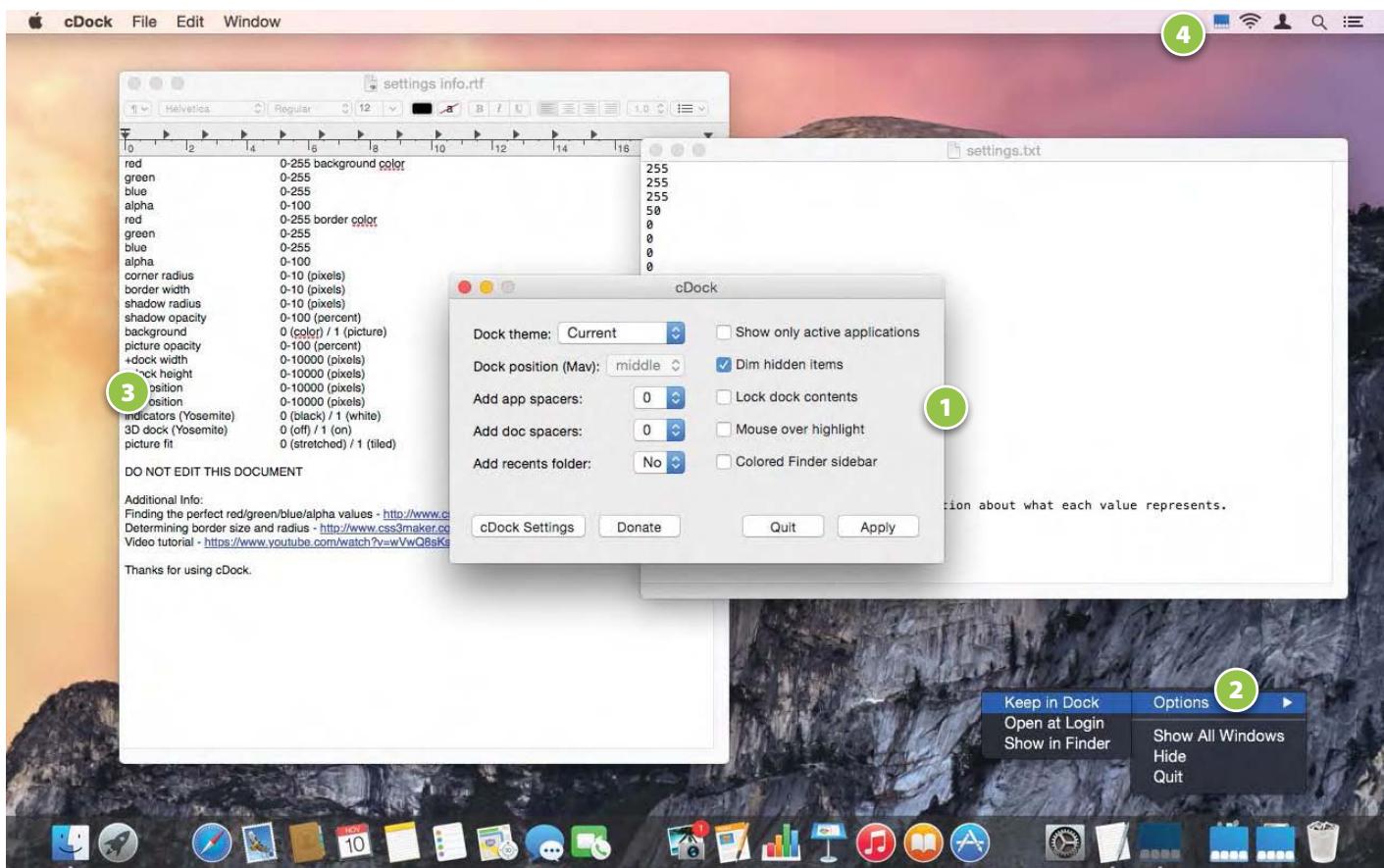
The Dock has been a mainstay of OS X since the start: it's a place to stash regularly-used apps and documents and to easily see what's running on your Mac.

From a visual standpoint, however, the Dock has seen big changes over the years. Initially, it was a semi-transparent white rectangle with subtle pinstripes, which were eradicated as of OS X 10.2 Jaguar, while in OS X 10.5 Leopard, the Dock turned into a 3D

If you don't like the Dock's new togs, you can use cDock to make some stylistic changes

glass 'shelf' when at the bottom of the screen, which gradually got frosted as the operating system was upgraded further. In OS X 10.10 Yosemite, we've almost come full circle, with the Dock reverting to a simpler semitransparent rectangle regardless of where it's positioned.

If you're not thrilled about the Dock's new togs, you can use the free cDock (sourceforge.net/projects/cdock) to make a number of stylistic changes. Additionally, the app is capable of updating a number of other aspects of the Dock, including the addition of spacers, creating a 'recent items' folder and dimming hidden apps. Note that on first launching cDock, you may get a security warning; if so, open System Preferences, go to Security & Privacy > General and click Open Anyway. **Craig Grannell**



QUICK LOOK

THE cDOCK INTERFACE

cDock settings

1 The main cDock window provides you with menus and checkboxes that enable you to make changes to your Dock. Changes can all easily be reverted, too.

In the Dock

2 Whenever you hit 'Apply', cDock relaunches your Dock and quits. For this reason, you can always add it to the Dock while you're making changes so it's really easy to relaunch.

Custom settings

3 cDock has a range of built-in themes, but it's also possible to roll your own; when doing so, two text documents are launched, one as a reference and one to edit.

Menu extra

4 The cDock menu extra appears when using the Custom theme; it's intended to restart the Dock. Quit the extra by clicking the icon to access the extra's menu; select 'Quit Dock Refresh'.

HOW TO | USE cDOCK TO CHANGE YOUR DOCK'S FUNCTIONALITY



1 Make the Dock 3D

Launch cDock and select the Dock theme menu. If you'd like your Dock in OS X Yosemite to resemble the one from OS X Mavericks, select Yosemite 3D and click Apply. cDock will quit, the Dock will relaunch, and a few seconds later it'll be a 3D shelf again.



4 Add/edit a recents stack

Set 'Add recent folder' to Yes > Apply. A new stack appears in the 'Documents' side, with quick access to recent apps. **ctrl**-click and you can switch this to documents/servers/favourites. Run the command again to add another recent stack (it won't replace any existing ones).



6 Mouse over highlights

If you've added one or more recent folders, try selecting 'mouse over highlight' in cDock. On restarting your Dock, you'll see a highlight behind any app you're hovering the mouse cursor over, which helps make your selection easier to spot.

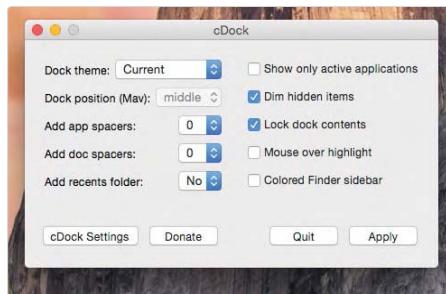
2 Update the Dock theme

To update the theme, relaunch cDock and choose a new option from the menu. The 'Fullscreen' options make the Dock stretch across the entire screen edge; 'Transparent' removes the background. To revert back to OS X's default Dock theme, select Restore > Apply.



5 Show only active apps

The Dock, by default, shows both stashed and running apps, but you can turn it into an app switcher. Check 'Show only active applications' > Apply. Your Dock will only show currently running apps and the Trash. To revert, relaunch cDock, uncheck the option > Apply.



7 Lock the Dock

It's easy to add stuff to the Dock or to remove an item by mistake, but cDock can help: check 'Lock dock contents' > Apply. You'll no longer be able to add items to it by dragging them there, and options to remove items will be gone. Uncheck the box and click Apply to revert.

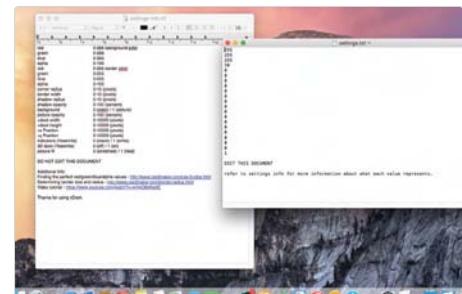
3 Add Dock spacers

Spacers can help you organise multiple items in your Dock into groups. Use the spacers menus in cDock to add items on the 'app' and 'doc' sides and click Apply. Drag to move your spacers; to remove one, **ctrl**-click and select 'Remove from Dock'.



SIDEBAR ICONS

There's an option to colour Finder sidebar icons; this works fine in Mavericks, but not in Yosemite. Want them coloured for both versions? Check out XtraFinder (MF280).



8 Create a custom theme

Want to create a more personal take on the Dock's appearance? Select Custom from 'Dock theme' > Apply. It will load settings.txt and an associated instructions document. Edit and save the settings.txt numbers, and click the cDock icon in the menu bar to refresh the Dock.

Add title graphics in Final Cut

Final Cut has a built-in library of titles for you to use creatively

SKILL LEVEL

Anyone can do it

IT WILL TAKE

10 minutes

YOU'LL NEED

Final Cut Pro X 10.1,
a final (or close to final)
cut of your film



Titles are not just the opening titles, but graphics used during and over the video, including its end credits sequence. Final Cut comes with a selection of titles that you can simply drop into a project. To check them out, click the button marked with a 'T' at the right-hand side of Final Cut's toolbar.

The Titles Browser displays thumbnails of the titles, which are categorised to help you find something suitable. Scroll down to see them all; they can be used as they are, save for changing the text to whatever you need it to say. The icon at the bottom-left of the browser hides the categories so you can see more titles at once, and there's a search bar alongside to help you find things by typing a keyword.

Within each category, titles are divided into styles. Move the pointer over a thumbnail and, just as with video clips, a large preview of what's under the pointer appears in the Viewer. Press $\text{Space} + \text{Left Click}$ to play the title from start to finish.

After adding a title to your project, its colour, position on screen, timing and



Titles of some sort can be useful in all sorts of films, but particularly in factual ones.

Final Cut titles look professional and can be used as they are, save for changing the text to your needs

other attributes can be tailored using the Inspector. A title's duration can be changed just like other clips.

Titles can be modified more extensively using Motion (£34.99 / \$49.99 from the Mac App Store) – a complex app that also enables you to create your own motion graphics from scratch.

Alan Stonebridge



QUICK CHANGES

Font size, position and other numeric properties can be set by clicking their value in the Inspector and typing, or by clicking and dragging up and down. The latter method shows changes live in the Viewer.



1 Pick a title

In the Title Browser, find a title that fits your film's style. From the Lower Thirds category, we've picked Left from the Documentary style. Lower thirds introduce a speaker in news and documentaries. Drag the title from the browser over a clip in your timeline to create a connected clip.



2 Change the text

Lower thirds include an alpha channel that allows a clip below them in the timeline to show through. Position the playhead over the title to see the lower third superimposed over your video. To change the text, triple-click it in the Viewer and type over the text to replace it.



3 Change appearance

Click Title at the top of the Inspector. Sometimes you can toggle animation, recolour graphical elements, and change the font, its weight, size and colour can be altered. This affects all words in a block of text, regardless of whether you select individual ones in the Viewer.



5 Blend modes

If you have experience of blend modes in apps such as Photoshop, a variety of these modes is available in Final Cut, too. Here we've placed a title over a clip, and set the title's blend mode to Stencil Alpha so that the video only shows through the text's shape.



7 Selective changes

Select just some of your text, then click Show next to Face in the Inspector and set a different colour. Unlike the settings under Title, those here can be applied more precisely. To adjust the spacing between two characters, put the text cursor between them and adjust kerning.



4 Reposition titles

The position of titles can be fine-tuned if you turn them into a compound clip. Hold **ctrl** and click the title in the timeline, then choose New Compound Clip... Adjust the compound clip's properties under Video in the Inspector. Double-click the clip to amend the title's text and more.



6 Detailed styling

Click Text at the top of the Inspector for more detailed options of how text is laid out, including line spacing and kerning (character spacing). Scroll down to toggle Outline, Glow and Shadow effects. Click Show at the right of these rows to tailor colour, opacity and other attributes.



8 Preserve styles

At the top of the Inspector, click the row that says Normal to reveal a list of pre-defined styles. One may be a good starting point that requires less tinkering to get the look you want. The first three items in the list save your text's style, formatting or both to re-use later.

VIDEO EDGES



The edges of video can be cropped on some TVs. Click the arrow at the top-right of the Viewer and choose Show Title/Action Safe Zones. Titles need to be positioned within the innermost rectangle that this displays over your video.

JARGON BUSTER

Alpha channel This refers to areas of a still picture or video being transparent. The titles in the lower thirds category depend on an alpha channel, which may be animated, to allow the video behind them to be visible.

Get better results from Google

Use Google's advanced search operators to improve your search queries

SKILL LEVEL

Anyone can do it

IT WILL TAKE

10 minutes

YOU'LL NEED

A web browser



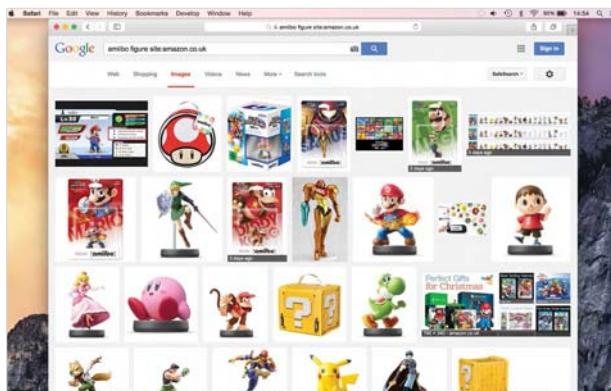
The web is a marvellous research tool for study and work, to solve a problem with a piece of equipment or software, or just because you're curious about a subject. Part of the challenge in using search engines such as Google is in choosing appropriate keywords that actually yield good results. Even if your words are well chosen, a more popular context other than the one you intended may share keywords, burying the pages you're looking for deeper among search results than you care to dig, leading you to refine your search to hone in on the correct resources.

This is when you might benefit from switching to Google's Advanced Search, by clicking the cog at the top-right of a search results page. It provides a form that enables you to explicitly state how Google should treat particular keywords and phrases. You can tell it to look for a sequence of words as an exact phrase, rather than as individual keywords that might appear in any order.

Searches can be restricted to a particular site, or perhaps several, so that you only see pages from, say, BBC News and select other organisations, or maybe you just want to exclude a specific, less authoritative site that dominates results.

There's no need to break down your search in this manner. Many of Advanced Search's most useful options can be leveraged from the search bar itself, provided you know some special syntax. This enables you to perform complex searches more quickly. By doing so, you spend less time digging

Refining criteria from the search field works well with image search to get inspiration for creative projects.



You can take a shortcut by learning special syntax to enter into your browser's search field.

through page after page of results – often a fruitless task anyway – and instead leave it to Google to do its job to the absolute best of its abilities, and for only a small amount of extra effort on your part.

If you still can't find what you want, it's worth checking whether certain of your keywords are limiting. Look at their punctuation. Hyphens are okay because Google considers the words either side

Many Advanced Search options can be leveraged from the search bar, with some special syntax

to be strongly connected, so a search for "built-in" returns pages that are hyphenated like that, or which omit the hyphen.

Contractions are more problematic; Google does not treat "won't" and "will not" as the same search term, and you may find that it helps to reframe a search phrase to omit contractions and their expanded forms.

In this type of scenario, the wildcard operator can help by telling Google that you aren't so specifically concerned

about which form appears within a longer phrase.

Google will automatically consider different forms of the same word – so if you specify the stem word 'install', results may include pages that contain 'installation' or 'installing'.

Using Google like a pro isn't just about knowing how to specify keywords, though. It's also about adapting your way of thinking – by considering how other people might phrase something, for example. Perhaps your chosen words are appropriate in a formal context, when an informal synonym would yield a wealth of useful pages, ripe for browsing.

We're going to look at how to use these and other advanced features right from your browser's search bar – or the bar at google.com or google.co.uk, if you prefer. For other search engines, check their documentation for similar syntactic shortcuts. In the following examples, when we've specified what you need to search for in single quotes, you should omit those quotes but enter everything that's written between them into the search bar. However, wherever we show something in double quotes, include those. As you'll see in a moment, Google gives special meaning to them, but it will ignore single quotes as if you hadn't typed them. **Alan Stonebridge**

HOW TO | GET BETTER RESULTS FROM GOOGLE SEARCH

About 836,000 results (0.15 seconds)

iCloud Drive
www.apple.com/uk
Any kind of file. On all your devices. Learn more.
Set up iCloud iOS 8
iCloud Family Sharing

Apple (United Kingdom) - iCloud - iCloud Drive
<https://www.apple.com/uk/icloud/icloud-drive/>

About 14,500 results (0.20 seconds)

iOS: Understanding Personal Hotspot - Apple Support
support.apple.com › Support ›
27 Aug 2014 - Learn how to share your cellular data connection using Personal Hotspot, the Internet-sharing feature on iPhone, iPad (3rd generation) Wi-Fi + ...

iOS: Troubleshooting Personal Hotspot - Apple Support
support.apple.com › Support ›
10 Jun 2014 - Follow these steps to troubleshoot Personal Hotspot.

About 50,500,000 results (0.15 seconds)

OS X Yosemite
www.apple.com/uk
Every bit as powerful as it looks. Available now for free.
How to upgrade Mac and iOS Better apps Design

Yosemite National Park (U.S. National Park Service)
www.nps.gov/yosei
Yosemite's National Park Service home page. Describes park-wide activities and

1 Exact phrases

Search for "icloud drive", with quotes and without. The words are highlighted in the results, but it's coincidental that they appear as a complete phrase – results soon differ. Terms between quotes are treated as an exact phrase. Around one word, Google ignores other forms.

2 Search by site

Searching for, say, "personal hotspot" can't connect' gives you Apple's official troubleshooting article and then another page from discussions.apple.com, among others. Adding the 'site:' operator followed by a domain (site:apple.com) prioritises results from that site.

3 Exclude terms

Words with several meanings can be excluded by prefixing them with a minus – you need to tell Google to omit a word related to the unwanted context. 'Yosemite', for example, finds pages about the location and Apple's OS, so add '-park' or '-apple -mac' to guide Google.

About 9,640 results (0.37 seconds)

OS X: Device using Internet Sharing is not able to connect to ...
support.apple.com › Support ›
30 Sep 2013 - After creating a WiFi network using Internet Sharing, computers and ... has not resolved the problem ... fails to allow Internet connectivity, ...

OS X Mavericks: Share your Internet connection
support.apple.com › Support ›
Open Sharing preferences if it isn't already open, then select the Internet Sharing checkbox. Choose the Internet connection you want to share from the 'Share ...

Technical Q&A QA1176: Getting a Packet Trace
https://developer.apple.com/library/ios/qa/qa1176/_index.html

About 14,800,000 results (0.14 seconds)

Aubergine | BBC Good Food
www.bbcgoodfood.com/recipes/collection/aubergine ›
Aubergine rolls recipe ... Harissa aubergine kebabs with minty carrot salad ... Choose a glossy, plump aubergine to make this warming vegetarian main course ...
Aubergine melts ... Aubergine rolls with spinach ... Melanzane alla Parmigiana

15 Easy Eggplant Recipes - Real Simple
www.realsimple.com/food-recipes/recipe.../easy-eggplant-recipes ›
The incredibly versatile eggplant works in everything from Italian to Asian recipes ...

4 Exclude sites

The minus operator can be combined with site: to exclude whole sites or parts of them. For example, Including 'site:apple.com -site:discussions.apple.com' in your terms will search Apple's site, but exclude the area set aside for end user forum posts.

5 One word or another

Search for 'Olympics 2016 2020' and the results will contain pages containing both years. To match pages that mention, say, either year, put OR (capitalised) between them. This can overcome regional bias, too. For example, try searching for 'recipe aubergine OR eggplant'.

SITE:

The site: operator can restrict searches to top-level domains, not just specific sites. So, specifying 'site:co.uk OR site:com' excludes unwanted localised results. Conversely, you can search part of a site, such as 'site:bbc.co.uk/news/health' – Safari 8 actually hides this level of detail until you click the search field or enable the display of full addresses in its Advanced preferences.

About 99,800,000 results (0.36 seconds)

1988 Summer Olympics - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/1988_Summer_Olympics
The 1988 Summer Olympics, officially known as the Games of the XXIV Olympiad, the women's side in a fully attended Olympics (disregarding the 1984 Los ...

Athletics at the 1984 Summer Olympics - Women's 4 × 40
en.wikipedia.org/.../Athletics_at_the_1984_Summer_Olympics_-_Wom...

About 35,000 results (0.35 seconds)

[PDF] GCSE Art and Design Question paper Unit 02 - Art ...
filestore.aqa.org.uk/subjects/AQA-42012-QP-JUN13.PDF
Unit 2 Externally Set Task. All teacher-assessed marks to be returned to AQA by For this paper you must have: ◦ appropriate art and design materials.

[PDF] GCSE Art and Design Question Paper Unit 02 - Fine ...
filestore.aqa.org.uk/subjects/AQA-42022-QP-JUN.PDF
Art and Design (Fine Art) 42022. Unit 2 Externally Set Task. All teacher-assessed

About 184,000,000 results (0.76 seconds)

News archive | Dieter Helm
dieterhelm.co.uk/news
Dieter Helm, an Oxford University professor and adviser to the UK government on energy policy, criticises the EU for forcing through liberalisation before ...

Agamemnon Otero | LinkedIn
<https://uk.linkedin.com/pub/agamemnon-oter/9/450/b3>
London, United Kingdom - Project Manager at Banister House Solar

6 Search for ranges

Putting two full stops between numbers (such as 'Olympics 1980..1988') will give you results that match those numbers and those between them. This works when you supply units for numbers too (such as 'rug 5m..6m'), enabling you to narrow down a broad search.

7 Filetypes

Searching for, say, 'gcse exam paper' returns a useful starting point, but by adding 'filetype: pdf' you get direct links to papers. (Add keywords to narrow by subject area, too.) Think about whether you're being too specific – here, you might also append 'OR filetype:doc'.

8 Wildcards

When using an exact phrase, consider what you might be excluding. "UK government energy policy" gives good results, but put the wildcard operator (an asterisk) before 'energy'; this helps find pages where exact phrases have any word or phrase between them.

How to search with Spotlight

Spotlight in Yosemite enables you to search the web – and more

SKILL LEVEL

Anyone can do it



We first saw Spotlight appear in OS X 10.4, way back in 2005.

Essentially, it was created as a system-wide search – both for filenames and the contents of files. Over time, Spotlight's abilities have been expanded, most notably when Quick Look made it possible to preview files selected within Spotlight's results list.

OS X Yosemite brings some major changes to Spotlight, in terms of its functionality and also its visual

Spotlight is still a place for finding content on your Mac, but now on the web, too

IT WILL TAKE

10 minutes

YOU'LL NEED

OS X 10.10, internet connection

design. Instead of being a drop-down menu anchored to the menu bar, Spotlight now opens in the middle of the screen, putting its search results front and centre.

Additionally – and most importantly – Apple has expanded the scope of what you can search for. Spotlight remains a place for finding content on your Mac, but now it provides the means to search the web, too.

Using the Spotlight System Preferences pane, you can fine-tune Spotlight to your liking. Select the Search Results tab and you'll see a list of the categories Spotlight can find results for. Use the tickboxes to disable or enable categories according to your preferences, and drag the categories up or down the list to change the order in which they appear in search results.

Craig Grannell

QUICK LOOK SPOTLIGHT

Search term

1 Your search term appears in the top bar of Spotlight. Characters you've already typed are displayed in black, and the current auto-complete suggestion is in grey.

Results list

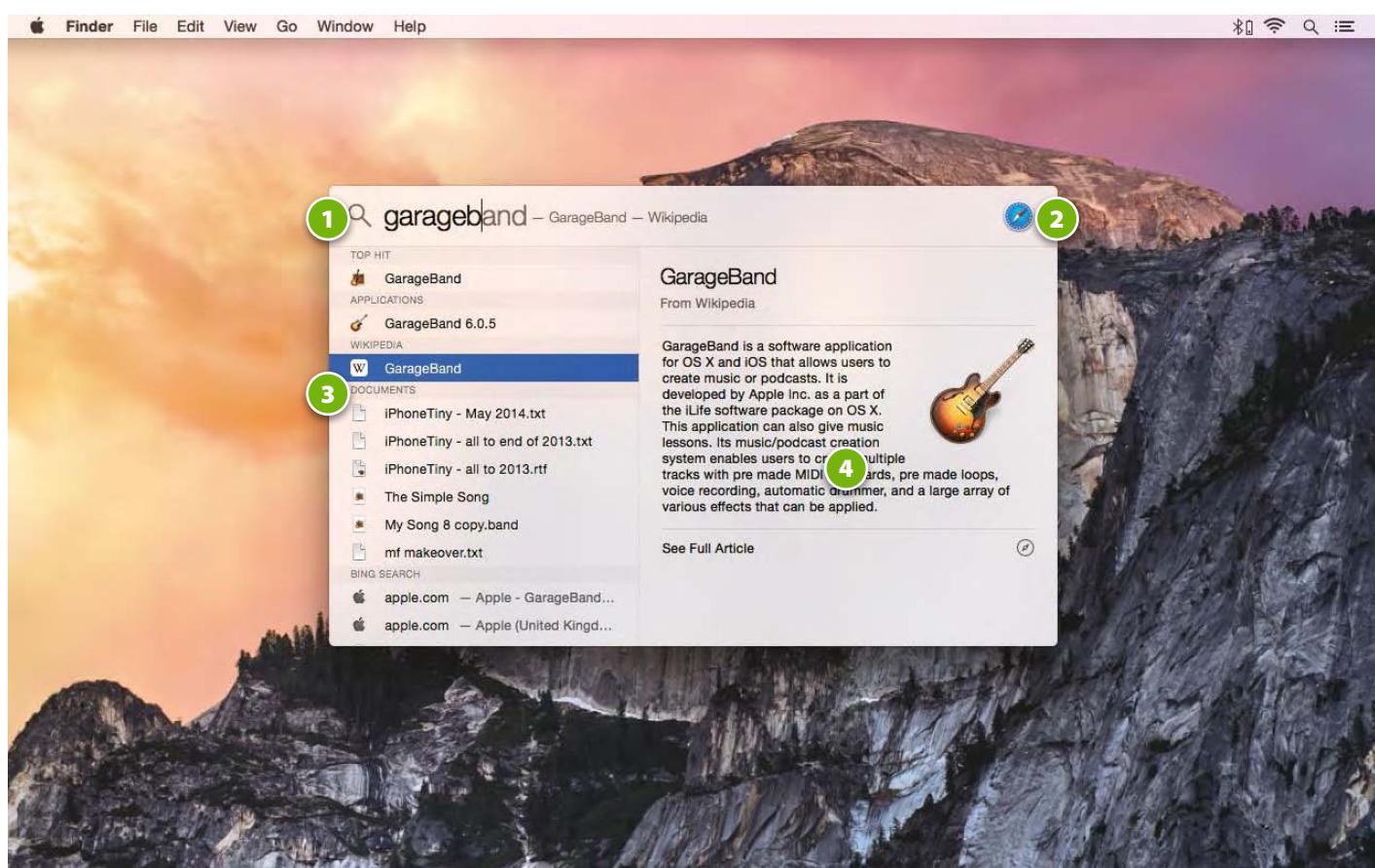
3 The search results are listed in the left-hand pane, which is scrollable. They are grouped into categories, with the order of these following the settings you make in System Preferences > Spotlight.

Target app

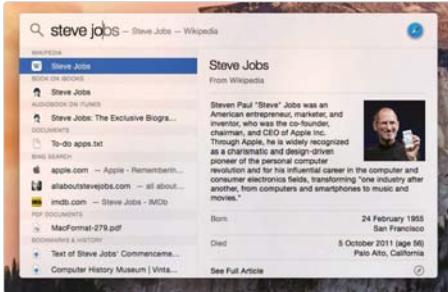
2 At the top-right of the window is an app icon, showing what will launch if you choose to open the currently selected search result.

Preview pane

4 If the currently selected item has a Quick Look preview or some other information Spotlight can preview, it's displayed here.



HOW TO | MASTER SPOTLIGHT SEARCHES



1 Get started

Press **⌘+Space** or click the Spotlight icon in the menu bar, and Spotlight opens in the centre of the screen. As you start typing, it will provide suggestions. To accept one of them, tap the right cursor key. You can then add to your search term. Pressing **⏎** will launch the top hit.



2 Navigate and launch

Spotlight can be a great way of quickly launching an app – especially one that's not in your Dock. Start typing its name and it may appear as the top hit; press **⏎** to launch it. If it's not the top hit, you can continue typing or use the up/down cursor keys to choose another.



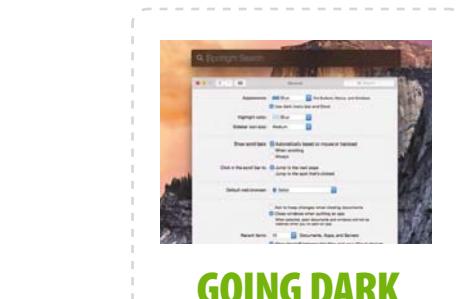
3 Preview items

Search in turn for an image, a PDF and a text document; use the cursor to select your file, but don't hit **⏎** – Spotlight will show a preview. When previewing text, you should be able to make a selection and copy it to paste elsewhere. Also, hold **⌘** to see the selection's path.



4 Access recent files

For some apps, you can access recently opened files directly from Spotlight. Search for and select the app, and its recent documents are displayed in the preview area. Press **⏎**, then the up/down cursor keys to select these, or just click one to launch the app and the document.

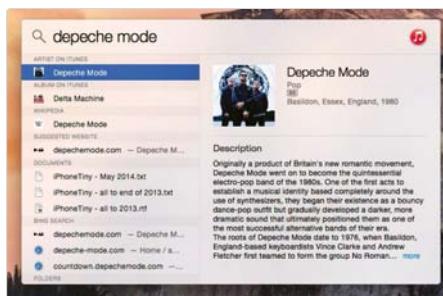


5 Perform calculations

Spotlight has always worked as a basic calculator, but in Yosemite it can also perform conversions. Type '50m' and you get conversions in yards and other units; type '20c' for the temperature in Fahrenheit and Kelvin; type '£10' for the equivalent in US dollars, euros and yen.

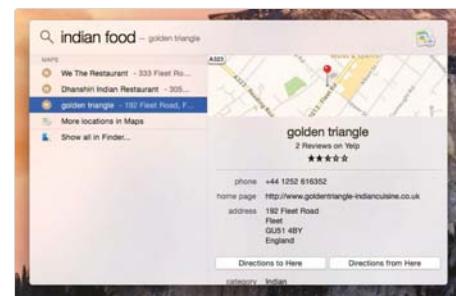
GOING DARK

Yosemite has an optional 'dark' interface mode. In System Preferences, select General and tick 'Use dark menu bar and Dock'. Spotlight has been updated to use this.



6 Find things online

If you're looking for information on something, type a search term and you'll get a Wikipedia link and synopsis; depending on the term, Spotlight may also provide suggested URLs, and Bing search results for further investigation. Click the item to open it in Safari.



7 Search iTunes Store

Although searches for media will return results for content on your Mac, they often also provide links to the iTunes Store – usually faster than searching in iTunes itself. For example, type 'Depeche Mode' and you get a link to the band's page; click a result to open it in iTunes.

8 Get something to eat

If you're feeling peckish, try typing the name of a cuisine and then 'food' into Spotlight (such as 'Indian food'). You should get a few local restaurants; details and direction buttons will be provided in the preview area. Famous locations may also pop up as results.

★ SAVE UP TO 57% ★

- On the perfect gift this Christmas -

WITH OUR VARIED SELECTION OF TITLES YOU'LL FIND THE PERFECT PRESENT FOR THAT SPECIAL SOMEONE



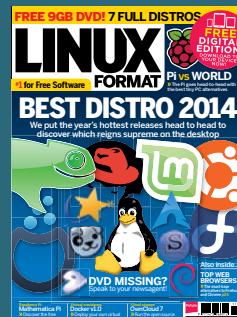
SAVE UP TO 45%
FROM £23.49



SAVE UP TO 70%
FROM £15.99



SAVE UP TO 40%
FROM £25.49



SAVE UP TO 45%
FROM £25.49



SAVE UP TO 50%
FROM £23.49



SAVE UP TO 45%
FROM £21.49



SAVE UP TO 55%
FROM £12.99



SAVE UP TO 40%
FROM £17.99



SAVE UP TO 35%
FROM £22.49



SAVE UP TO 50%
FROM £20.99



SAVE UP TO 50%
FROM £21.49



SAVE UP TO 40%
FROM £25.49

- Save up to 57% off the cover price
- Delivery included in the price
- Over 45 magazines covering cars, film, music, technology, gaming and more
- Free gift card you can personalise to announce your gift
- Huge range of items priced under £20
- PLUS! 20% off overseas subscriptions



2 easy ways to order



myfavouritemagazines.co.uk/Z501



Or call us on 0844 848 2852
quote Z501

Lines open Mon to Fri 8am – 9.30pm
and Sat 8am – 4pm

Savings compared to buying 2 year's worth of full priced issues from UK newsstand. This offer is for new print subscribers only. You will receive 13 issues in a year. Full details of the Direct Debit guarantee are available upon request. If you are dissatisfied in any way you can write to us or call us to cancel your subscription at any time and we will refund you for all unmailed issues. Prices correct at point of print and subject to change. For full terms and conditions please visit: myfavm.ag/magterms Offer ends: 31st January 2015

Share files with AirDrop

Wirelessly send files to other Macs and iOS devices around you

SKILL LEVEL

Anyone can do it

IT WILL TAKE

5 minutes

YOU'LL NEED

Another Mac running

OS X 10.10 or a compatible iOS 7 or 8 device, with Bluetooth and Wi-Fi turned on



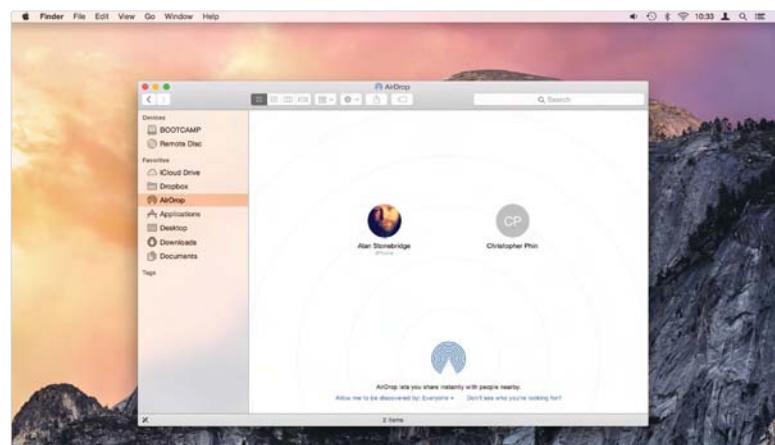
Wave goodbye to emailing photos, documents and other files, because there's a better way: AirDrop. It

sends files between Macs and iOS devices over the air using an encrypted connection. What's particularly great is that unlike traditional methods of sharing files, there's no tricky setup – the devices involved in a transfer don't even need to be connected to a Wi-Fi network (though AirDrop still works 'invisibly' if either or both machines are), because it establishes a direct connection between them.

When you select AirDrop in a Finder window sidebar or choose Go > AirDrop, you'll see a window with icons for nearby people who have made themselves visible to receive files. Control your own visibility at the foot of the window: you

To share between two Macs, they need to be reasonably close so that they can talk to each other

can choose to be seen by everyone, only by your contacts, or not at all. When you drag files and folders and drop them onto someone's icon, the recipient is



AirDrop makes transferring files as simple as dragging and dropping them on to the recipient in the Finder.

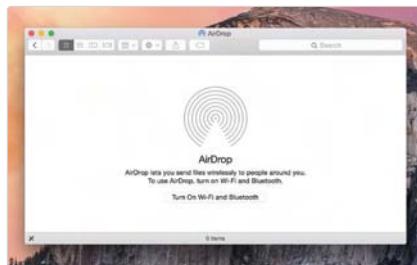
prompted to accept or reject the transfer. If their iOS device has no app capable of reading what you're sharing, it will direct them to the App Store and a list of apps it thinks can handle the item.

AirDrop is available in other places besides Finder. Click the Share button that appears in Safari, Preview, Maps and many other apps to share whatever it is you're looking at. Using AirDrop in this way opens a sheet that again lists nearby people. Click one to send to them. Wherever you access AirDrop, the

words 'Don't see who you're looking for?' appear below the list of people. Clicking this and then 'Search for an Older Mac' switches to an older implementation of AirDrop that works only between Macs, running OS X Lion or later. This version of AirDrop can't talk to iOS devices, but it works with many more models of Mac – if you have an older Mac in the house, you can check whether it's compatible by referring to Apple's list on its website at support.apple.com/kb/PH18947.

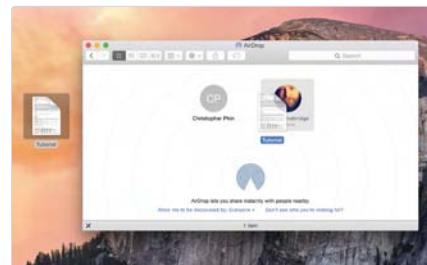
Alan Stonebridge

HOW TO | SHARE FILES USING AIRDROP



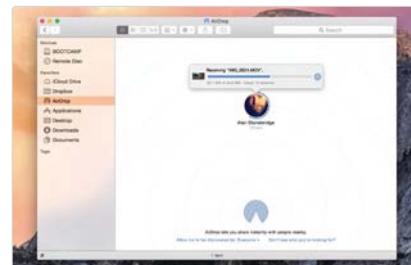
1 Start AirDrop

On the devices you'd like to transfer files between, open the AirDrop window. Click it in a Finder window sidebar, or choose Go > AirDrop, or press $\text{⌘} + \text{◻} + \text{R}$. If Bluetooth or Wi-Fi is switched off, click the button to turn it on so AirDrop can work.



2 Send a file

On your Mac, locate the file you want to send. Drag its icon onto the icon for the other person's device. The word 'Waiting' will appear under that icon, and a pop-up will appear on the receiving device, enabling the recipient to accept or decline the item.



3 Receive files

A blue arc grows around the edge of the person's icon to indicate progress (click for an estimate of remaining time). Files you receive are saved to your Downloads folder, which is accessible from the Finder sidebar, the Go menu, or by pressing $\text{⌘} + \text{◻} + \text{L}$.

Command your Mac

Use Automator in Yosemite to automate tasks triggered with voice activation

SKILL LEVEL

Anyone can do it

IT WILL TAKE

15 minutes

YOU'LL NEED

OS X 10.10



In OS X Yosemite, Apple has revamped how you can speak to your Mac. Now going under the new name of Dictation Commands (previously Speakable Items), it enables you to specify, using typed words, the command you want to say in order to run a workflow that turns a manual task into one where your Mac does the work for you.

The simplest way to set up a command is in Accessibility under System Preferences. Under Dictation there, 'Enable advanced commands' lets you create new commands. Clicking the '+' button reveals a form in which you can specify the words you want to say, limit your command's availability to a single application, and define the Mac's response – to open a file or an app, paste text or other data, run an existing workflow created in Automator or Script Editor, or mimic a keyboard shortcut being pressed.

Dictation commands can't receive any input, which prevents you adding words to, for example, specify the name



Dictation Commands provide a way to deal with distracting tasks without leaving your current app.

Specify a command that runs a workflow to turn a manual task into one where your Mac does the work

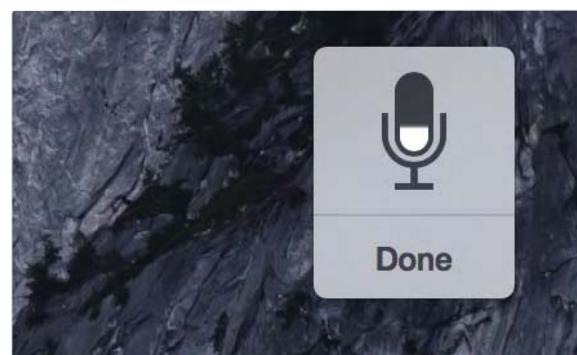
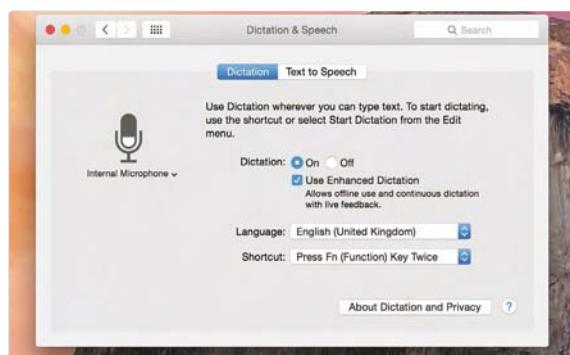
of an external drive to eject. The Run AppleScript or Run JavaScript actions can extend Automator's capabilities and overcome this, but that's beyond this tutorial's scope. Nonetheless, the workflow we'll create is practical as it enables you to create a new event without having to switch to the Calendar app. **Alan Stonebridge**

HOW TO | CREATE A NEW CALENDAR EVENT BY DICTATION

SAY AND SHOW

Say "show commands" to Dictation to see those suitable. In

Finder, the Navigation group shows commands for moving focus. InTextEdit, it shows commands for selecting and moving in words and sentences.

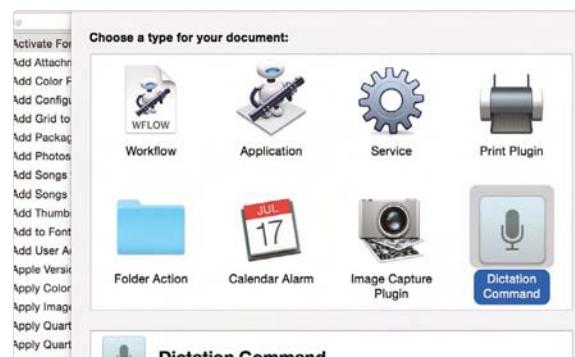
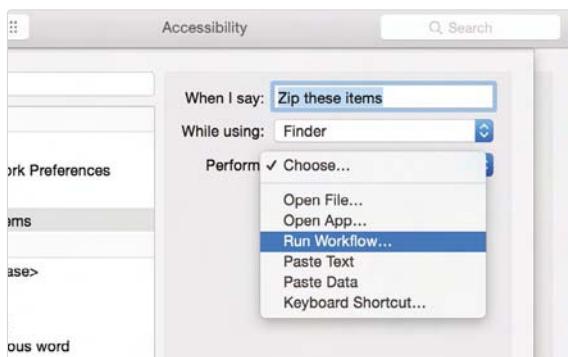


1 Preparation

Open System Preferences, click Dictation & Speech, and turn on Enhanced Dictation, so your Mac can interpret speech by itself. This requires a download hundreds of megabytes in size – the amount varies by language. Ensure the correct microphone is selected on the left.

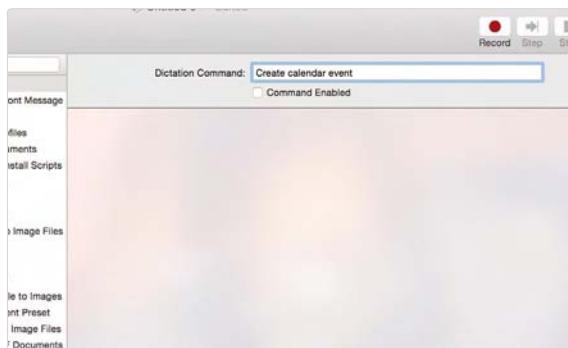
2 Start listening

The shortcut to tell your Mac to listen for dictation is two quick presses of the **fn** key, though it can be changed here. Try it, and you'll hear a chime and see a floating window. Click the button on the floating window, press **fn** once, or say "stop listening" to cancel voice input.



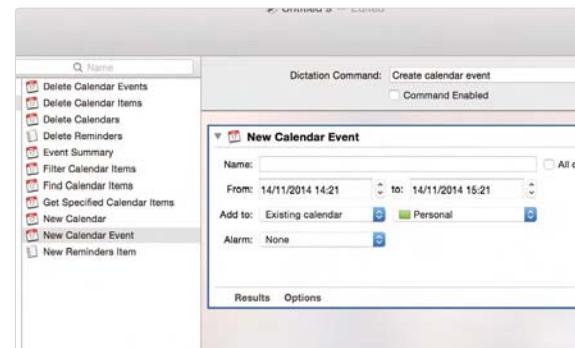
3 Enable user-created commands

Go to System Preferences' Accessibility pane and find Dictation. Select it, then press 'Dictation Commands...' to see those OS X already knows. Check 'Enable advanced commands' to add new ones and a '+' will be revealed, allowing you to define new commands and responses.



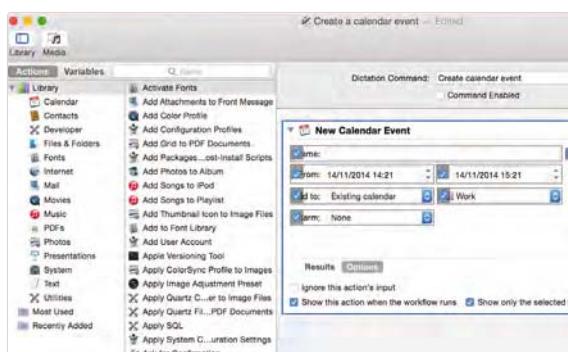
4 Create a command

Open Automator in the Applications folder, create a new document, and choose Dictation Command as its type. Unlike other types, Dictation Commands don't take input from the active app when run. Assemble the steps, or actions, that achieve the automated task, on the right-hand side.



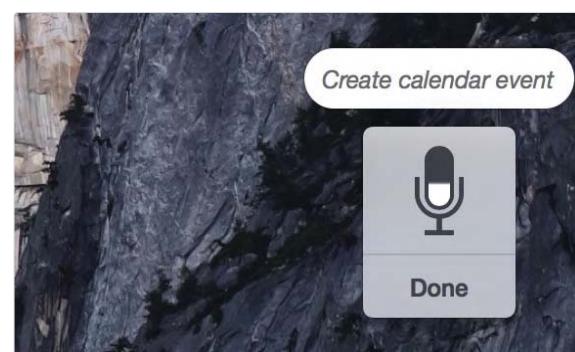
5 Specify a phrase

Above the workflow is a box for you to enter the phrase that tells your Mac to run it. This can be one word or several (make it something speech recognition will understand). Test how accurately it is recognised by openingTextEdit, pressing the dictation shortcut and then saying it.



6 Assemble some actions

A workflow can contain many actions, but ours only needs one in order to create a new calendar event without leaving the current app. With Actions selected, select Calendar in the same column and drag the New Calendar Event action from the column into the area to the right.



7 Choose event details

Click Options and check 'Show this action when the workflow runs' so you can enter event details. Also turn on 'Show only the selected items' and check those you want to provide. Choices you make now, such as the selected calendar, become default settings.

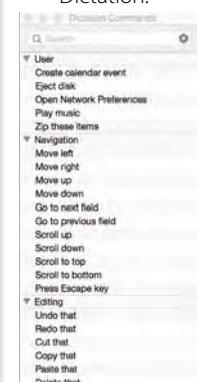
8 Command your Mac!

Tick 'Command Enabled' at the top of the workflow and save the document – we've named it after our command. Quit Automator, then press the Dictation shortcut. When you speak your command, you will see a speech bubble, while the window asking for event details will appear.

EXTRA FLEXIBLE

Some built-in commands contain placeholders such as <phrase> to indicate you can provide extra verbal instruction, but this syntax can't be used in your own commands.

The Run AppleScript action is one way to build richer interactions with Dictation.



JARGON BUSTER

Workflow

A workflow is a sequence of actions that achieves a task. It can be simple or complex. When a workflow lacks visual feedback but takes time to finish, an animated cog in the menu bar indicates it is running.

Record calls using your Mac

Recording all kinds of phone calls on your Mac is easier than you think!

SKILL LEVEL

Could be tricky

IT WILL TAKE

10 minutes

YOU'LL NEED

OS X 10.10, iOS 8, FaceTime account, Call Recorder for FaceTime and Skype apps



Not so long ago, recording a phone call meant awkwardly positioning a dictation machine near a handset and hoping for the best. More recently, voice-over-IP applications like Skype have brought voice and video communication to the desktop. In the latest versions of Mac OS X and iOS, not only can you perform FaceTime Audio

as well as video calls between your devices, but now regular cellular calls can be received on Wi-Fi-only devices such as Macs and Wi-Fi iPads, too.

This is incredibly useful – so long as your iPhone is connected to your wireless network, you can make and receive calls on any device. It also means you can record calls. Perhaps you're conducting a phone interview and need

to record it for transcription, or you're having a work conference call, or you need to record a call to keep a record of its contents. By using QuickTime's screen recording feature in OS X, you can record FaceTime and cellular calls for free. By using an inexpensive third-party app, such as Call Recorder for FaceTime (or Skype), you can get much more flexibility. **Hollin Jones**

HOW TO | RECORD A CALL ON YOUR MAC



1 Configure FaceTime

In your Mac's FaceTime app, go into the Preferences and make sure your Apple ID is enabled for FaceTime. You can also enable it to receive cellular calls from your iPhone, if you're running iOS 8 and OS X Yosemite. You can still receive FaceTime calls using your Apple ID, without an iPhone.

FEEDBACK ISSUES

iOS and OS X are good at dealing with feedback issues, so you shouldn't get any problems with recording. However, if you do, you can always plug a pair of headphones – this should eliminate any feedback.



3 Set up a screen recording

Open FaceTime on your Mac and select File > New Screen Recording. Open the microphone drop-down menu on the recording window > Built-In Microphone. Press 'Record' in QuickTime and draw a box around the FaceTime window to capture it. (You can save just the audio later.)

2 Plan to record

Things will go smoother if you arrange in advance that you're going to record a call (you won't be scrambling around while the phone rings, for one). Open the QuickTime Player app on your Mac (not version 7 – it doesn't have this functionality as standard – but the newer version).



4 Define the record area

Before you make or receive the call, activate recording in QuickTime. This records the screen as commanded. If you want to capture video, draw round the whole video area – otherwise you can capture anywhere, though it makes sense to define the area around the call monitor box. Hit Record.

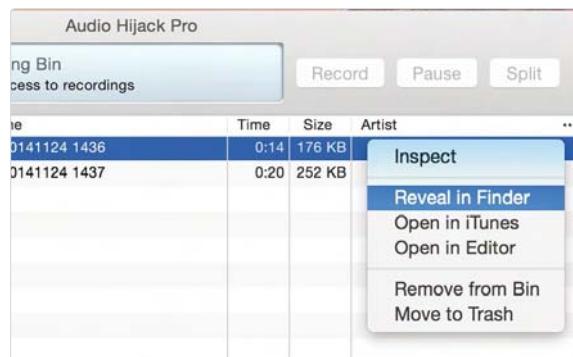


5 Export as video or audio only

When the call is over, hang up and stop recording. Now you can either save this clip as a movie file or as audio by going to the File > Export menu. Choose an export format and then a name and destination for your recording. It's saved as an M4A audio file.

SKYPE FOR OLDER MACS

If you're working across different platforms or your Mac is a bit too old to support OS X 10.10 (so you can't get cellular calls passed to it), you can try using Call Recorder for Skype from ecamm.com/mac/callrecorder.



7 Consider an alternative

Audio Hijack (\$32) is a useful app that's able to directly record just the audio portion of a FaceTime Call. Select FaceTime as an input source; when you hijack it and press record it'll capture both sides of the audio conversation to a file. You can set the recording quality and pause recording.

THE END RESULT

However you choose to record your audio files, you should end up with a bunch of MP3 or M4A files that you can label and listen to later, either for transcription or just as a record of what was said by whom. You can keep these in folders or as playlists in iTunes. You can also record FaceTime Audio calls by using a free application called SoundFlower, which is able to route audio internally between applications inside your Mac. However, this does involve setting up and configuring some custom virtual audio devices in the Audio MIDI Setup app, so it's something that's perhaps better attempted by experienced users. For the outlay, the Call Recorder or Audio Hijack apps provide a cost-effective and quick solution to call recording, especially if you do a lot of it.

8 Manage your recordings

Once your recording is done in Audio Hijack, you can play the audio files from inside the app or right-click on them to reveal them in the Finder. You can safely record at only moderate quality settings to save space (the audio stream coming over the phone is less than CD-quality).



Get to know iCloud Drive

iCloud Drive enables you to put things online from all of your devices

SKILL LEVEL

Anyone can do it

IT WILL TAKE

10 minutes

YOU'LL NEED

iOS 8, an iCloud account and apps that can save to iCloud Drive



When you sign into an iCloud account on your iPhone, your device is able to sync data such as Safari bookmarks, the keychain that contains your website usernames and passwords, calendars, reminders and contacts to the cloud – and from there to your other devices. This works in reverse too, so any changes you make on another Apple device (or by signing in to [icloud.com](#)) are synced to all of your devices, including your iPhone. It isn't just the more minor pieces of data that are synced, though.

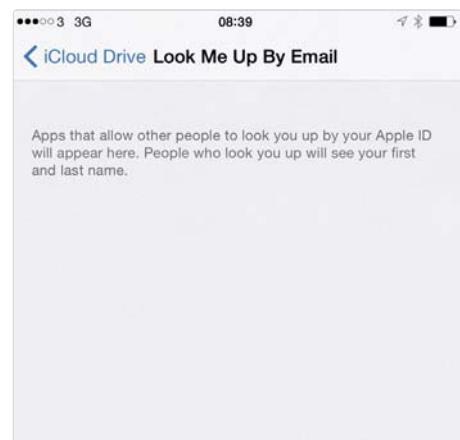
iCloud is also able to store documents, just as you would on a drive attached to your Mac, enabling you to update those files wherever you have access to an app that can open them, and keeping them in sync between devices, too. For example, you might enter data in a spreadsheet in Numbers on your iPhone. As long as your iPhone has been able to connect to the internet (and the same is true of the device you switch to), you can be assured that the spreadsheet will be available on, say, your Mac, so you can write up a report about your data later on if you like.

With the introduction of iOS 8 and OS X Yosemite, Apple has changed the way in which documents are stored and browsed in iCloud. The old system, called Documents in the Cloud, provided strictly separated areas for each app's files. Its replacement, iCloud Drive, is far more flexible, as it works much like the Finder in OS X.

iCloud Drive can store documents from different apps in the same folder, and you can nest folders inside each other so that things are organised exactly as you want them to be. iCloud Drive retains the previous system's tagging feature, which enables you to assign keywords to files and then search for them instead of filenames.

We'll show you how to enable iCloud Drive, but this comes with a word of caution: if you need to access documents stored in iCloud on a Mac that is unable to run OS X Yosemite, you should refrain from enabling iCloud Drive and stick with the old system; when you do, files that you stored in the old Documents in the Cloud system won't be automatically kept in sync on older versions of OS X. The same is true if any of your devices are not yet running iOS 8. **Alan Stonebridge**

HOW TO | SET UP iCLOUD DRIVE



1 Enable iCloud Drive

When setting up your new iPhone or upgrading an older device to iOS 8, you had a choice to turn on iCloud Drive. If you didn't at the time, you can change your mind by going to Settings > iCloud > iCloud Drive and turning it on. If your Mac can't run OS X Yosemite, migrating to iCloud Drive means your Mac won't be able to automatically sync files or access them in the Finder, though you can manually store and retrieve them through [icloud.com](#).

2 Control your storage

After iCloud Drive is turned on, the same page in Settings shows a list of apps that are able to save to it. Each has a switch next to it that can be turned off if you don't want an app to use space – you may want to prevent an image editor taking up room or using up the data allowance that comes with your calling plan. Below the list of apps is a global switch that can be flicked to prevent all apps using the mobile network and restrict them to Wi-Fi.

3 Look up iCloud users

Above the list of iCloud Drive enabled apps is an item labelled 'Look Me Up By Email'. Apps can provide a means of looking up other iCloud Drive users – perhaps because they want to collaborate with you. However, you don't have to allow this. When you tap that item, you'll be taken to a page that lists apps with this capability, giving you control over exactly which individual apps can find you in this way using your email address.

VISUAL GUIDE | iCLOUD DRIVE'S DOCUMENT PICKER

Here's how to browse files that you've saved to iCloud Drive

1 Browsing

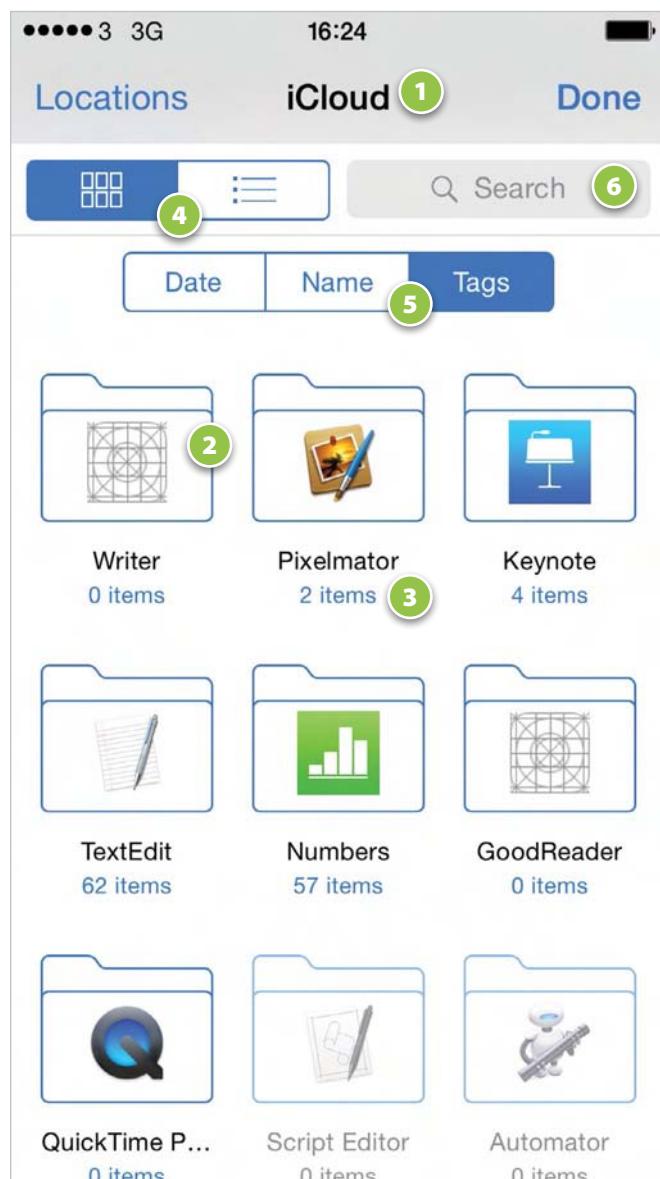
Apps that are capable of saving documents to iCloud Drive present a Document Picker – like this one in PDF Expert – for managing them. It works like Finder on the Mac and Explorer in Windows, and it differs from the Documents in the Cloud system available in older versions of iOS because folders can be nested within other folders, and files from different apps can be stored together by project or by whatever abstraction makes sense to you.

2 Folders made by apps

Some folders in iCloud Drive will display an app's icon because that app has created the folder. Unlike Documents in the Cloud – the predecessor of iCloud Drive featured in iOS 7 – you aren't restricted to storing things from a single app in a folder. If you have documents from Pages, Numbers and Keynote that are related, for example, you can keep them together in a single project folder.

3 Browse folders

Folders on iCloud Drive work just as they do on your Mac or in Windows. Tap one to browse its contents. If you like to organise your work by putting folders inside other folders, don't pay too much attention to the item count next to each one. It indicates how many items are in the next level down, rather than being a cumulative total calculated by looking at everything inside the folder you're looking at. You'll still have to open it for a more complete picture.



4 Different views

At the top-left corner of the Document Picker is a pair of buttons. The left one corresponds to the default presentation of files and folders in a grid of icons. The right one switches to a list view, with icons displayed smaller in a left column and folder names to their right. In both, folders display the number of items at the next level down, but folders inside them may contain many more items. As you tap into folders, the picker stays in your selected view.

5 Sorting files and folders

When at the top of a folder, swipe downwards to pull a group of three buttons into view. These allow the folder's contents to be sorted by the date they were last modified, newest first; or alphabetically, with A at the top (you can't tap again to reverse the order, and unfortunately there's no alphabetical index like the one in the Music app to jump through); or you can sort by tags you might have added when saving the file.

6 Search for something

When you tap the search bar, the view changes to an empty list and the keyboard slides into view. Start typing something and the list will be filled with matching files found anywhere in your iCloud Drive – not just in the current folder. The same controls for sorting files and folders that are available when browsing are also available here. Note that what you type is looked for in file and folder names, but not file contents.

164
pages of helpful advice
& easy step-by-step guides

OS X Yosemite

The Complete Guide

Discover all the new features that make your Mac better than ever – for free!



577
Expert tips
for all Mac
owners

Available at all good newsagents or visit
www.myfavouritemagazines.co.uk/computer

QuickType word suggestions

Type with confidence using predictive text

SKILL LEVEL

Anyone can do it

IT WILL TAKE

A few minutes to learn, and longer to adapt

YOU'LL NEED

iOS 8, an app that allows free-form text entry



Being able to write anything from short text messages to long documents on an iPhone can be liberating, but the small keyboard does come with risks. Perhaps you're familiar with the website Damn You Auto Correct... If you find yourself typing slowly to avoid such embarrassing situations, QuickType may restore your confidence and speed.

QuickType is Apple's take on predictive text. Above the keyboard, a bar displays up to three words or phrases it thinks you might type next. These are re-evaluated with each character you type. Apple says that QuickType learns from your previous conversations and writing style, the app you're using and, in apps like Mail and Messages, who you're communicating with.

Suggestions should be more formal when you're messaging a colleague about a meeting, and casual when replying to a friend's invitation to meet up. It's even smart enough to offer likely answers when you're asked a question.

To free up space, you can hide suggestions by swiping down from one. Swipe up from the thin bar that results to get suggestions back. QuickType can also be disabled in Settings > General > Keyboard > Predictive. **Alan Stonebridge**

Apple says that QuickType learns from your previous conversations and writing style



HOW TO | USE QUICKTYPE SUGGESTIONS



1 Reveal the keyboard

Tap somewhere that accepts text input to make the keyboard appear. Above the keyboard should be a grey bar with three suggested words – even before you type anything. Note that this bar doesn't appear everywhere you can type. You won't see it when adding recipients' names to an email, but it will be available when writing the body of an email and other free-form text.

2 Suggested words

When a message poses a question, QuickType offers appropriate responses. If none of the suggestions is what you want, just keep typing and new ones will appear. You may end up typing the whole word. Tap a suggestion to complete that word and to add a space after it. If the word you tapped is the end of a sentence, double-tap the space bar to add a full stop.

3 QuickType subtleties

Tapping the suggestion in quotes (the one on the left) finishes the word exactly as you typed it and adds a space. Sometimes one of the suggestions will appear in blue type against a lighter background than the others. You don't even need to tap this word to select it. Just type a space and it will be automatically completed and, once again, a space will be added after it.

Apple TALK

Have your say on everything Mac, OS X and iOS



Welcome...

There's always plenty to say about Apple, whether it's good or bad. And we'd particularly love to hear what you think! Write to us at letters@macformat.com and remember, the Star Letter wins a prize!

GET INVOLVED

Apple Mail	64
Photo Stream	66
Mac User Groups	67
Me and My Mac	68
Win a xxxx	69
Ask the Experts	71

JOIN US ONLINE

- Email your questions to letters@macformat.com
- Visit macformat.com for more great Mac news
- Join the conversation with our Facebook page
- Keep up to date by following us on Twitter at [@MacFormat](#)
- Are you on App.net? So are we! We're [@MacFormat](#) there too
- Subscribe to our videos at youtube.com/MacFormatUK

STAR LETTER

iPad One woe

As a first-generation iPad owner, I was a little taken aback by Gary Marshall's comments in his We Love Apple feature in *MF280*. Specifically, (receiving free OS updates) "feels like Apple thanking you for your custom by putting its money where its mouth is and keeping your device as current as possible". Almost as soon as the warranty had expired on my iPad, its internet access began to crash after a few minutes' use. Apple forums informed me that this was a common problem. By monitoring the situation, I read that the bug that caused the crash was resolved in iOS 7. I (reluctantly) accept that the first-generation iPad cannot be upgraded beyond iOS 5, but can anyone give me a good reason why Apple cannot release a patch for those of us who supported their first foray into tablet computing? My iPad experience sharply contrasts with my experience of using Samsung smartphones. The Samsung was a special offer from my ISP – if an iPhone had been available, I would have taken it. I've had four years' problem-free smartphone use. My iPad is due for replacement. Who do you think has earned my custom?

Mark Syder



YOU'RE A WINNER!

Drop us an email at letters@macformat.com. If yours gets picked as the *MacFormat* Star Letter, you win a Mad Catz R.A.T. M wireless mouse, the perfect companion for all your Mac gaming needs.



If you own a first-generation iPad, it will not be able to support an iOS beyond 5.1.1.



Christian Hall says: Sadly, all hardware is limited by its software version, Mark. It's simply impossible for backwards compatibility, and indeed stability, to be universal. iOS 5.1.1 was the final OS version for the first iPad, and though admittedly that's only about two years of updates, the iPad 2 is already past that point, going from iOS 5 to iOS 8. I think it's amazing that Apple has worked iOS to function better for more devices and over a longer period of time. In fact, the latest version of iOS (8.1.1) has even addressed further issues with the aging iPad 2 and iPhone 4S. iOS devices are far more likely to stand the test of time than Android smartphones, where the rollout of new versions is hampered by the huge device fragmentation. As tech moves on, Apple has to say goodbye to older models, but given where iOS is at present, I doubt the compatibility problem across models will start to decrease. Apple prides itself on how much take-up there is when a new version of iOS gets released (48% in the first four weeks for iOS 8), far outstripping the upgrade path for Android.

Driving me mad

Am I missing something with Apple's new iCloud Drive? I use an iMac and a MacBook Air. When I transferred large files on my iMac to iCloud Drive it took up disk space on my MacBook Air. Subsequently I transferred everything back to Dropbox. Am I doing something wrong?

Phil Ashwell

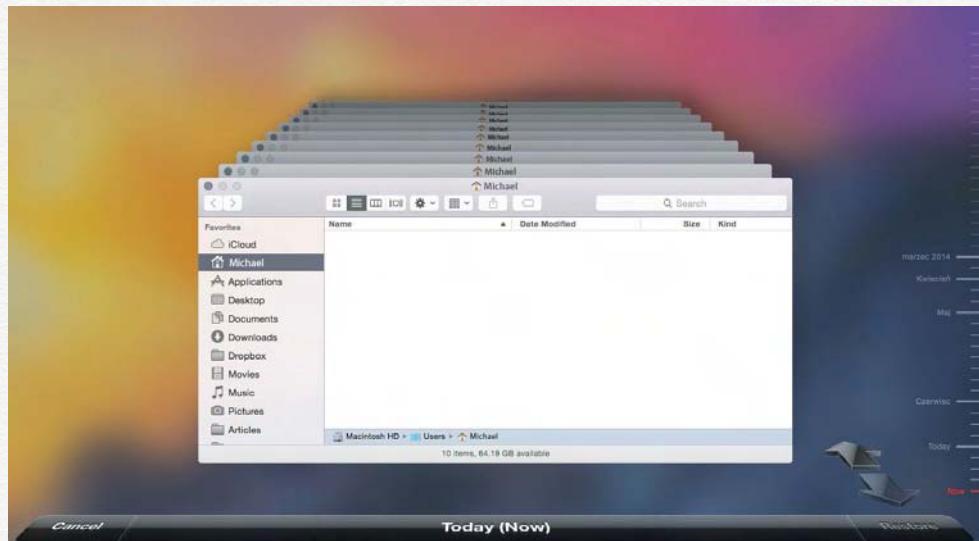
Paul Blachford says: iCloud Drive continues to be a source of problems and confusion for many; it hasn't been handled well by Apple. Your problem is one that many of us are facing. The way iCloud works is that it will replicate locally on another machine anything in iCloud Drive that you've stored from another machine. People assume iCloud is a good way to free up disk space on a Mac, but having 'moved' a large amount of data to iCloud Drive, they find that no space has really been saved. Unfortunately, you're likely to have a small drive with a MacBook Air, so we understand your frustration! Dropbox can selectively choose files and folders to sync across different computers (unlike iCloud Drive that syncs everything held in iCloud). If you want to keep your MacBook Air free from extra files, yet still get access to the data you were trying to sync in iCloud, then Dropbox is the better option.

It just works

I moved from PC to Mac in 2010 (with *MacFormat* being partly responsible) and I've never looked back. I love the Mac and its OS for its simplicity and synergy with its own products – "It just works". I do feel, though, that this is becoming more questionable with the last rollout of iOS & OS X being plagued with issues. Not least with the whole iCloud timing/accessibility, but the core products: releasing iOS 8 (which was so buggy) and then Craig Federighi laughing it off at the October event with 8.1; I'm still having Bonjour issues even with the latest version.

I've had frustrations with Time Machine backups from Mavericks being unreadable in Yosemite – surely this was tested prior to rolling out? The Apple helpdesk advised to use the migration process, which lasted hours.

I intended on performing a clean install of Yosemite, so I verified the backups were in place and then wiped the drive during the installation process. Once all the settings had been made to log in, I wanted to choose which items to restore, but was unable



to see anything prior to the rebuild. I saw all the dates but without any files. The reason I moved away from Windows was because I didn't want to waste days trying to fix things – I want things to 'just work' again!

Spencer Grogan

Tom Harrod says: We share your pain, Spencer, with the poor impression of Apple's QA procedures during the early days of iOS 8 and OS X Yosemite. That you could upgrade an iOS device to iOS 8 and render your Mac unable to automatically sync your docs with iCloud was especially annoying; we'd rather Apple rolled out iCloud Drive as part of iOS 8.1 to avoid this. With all of the negative attention that these releases garnered – even among the mainstream press – we expect Apple will more carefully manage the release of its next operating systems.

You aren't the first person we've heard of having trouble with previous Time Machine backups being unreadable, but this isn't something we've experienced for ourselves. This discussion on Apple's site (discussions.apple.com/thread/6601861) sounds like the same problem you're having – the response marked as the solution is to browse to the Applications folder before opening Time Machine's interface, and then to browse to your Home folder from within the star-field interface. The pre-Yosemite backups of your files should then be visible to you.

Kneel before Jobs

I couldn't agree more with Jamie Cameron's letter in *MF280* – I have the same problem with spreadsheets for my diabetic records.

I think the problem may be that Apple has, unbeknown to us all, been taken over by Microsoft since they like

You can use Time Machine with many apps. Turn on iCloud Drive, and then you can recover older versions of documents in iCloud.

to meddle with software and wait for feedback to correct it.

Perhaps one way to fix this would be to create a bronze Steve Jobs statue to which all employees should pay daily homage to his expertise...

Barry Loades

Seth Singh says: For reference, Jamie's problem in *MF280* was that in order to use the iWork apps in the cloud on his Windows laptop he had to upgrade to iCloud Drive, and then he would have had to upgrade to iOS 8 or Yosemite.



AppleonTV

The whole world watched with bated breath as the Rosetta probe, Philae, successfully landed on the 67P/Churyumov–Gerasimenko comet on 12 November, 2014. You can clearly see a MacBook Pro in shot here in the BBC News footage, but we suspect some other computers assisted in landing the probe!

Spotted a Mac on TV? Email us: letters@macformat.com



Photo STREAM

Send the best of your iPhone shots to photos@macformat.com



This was never well explained by Apple and you're not the only one to have contacted us since Jamie's letter. Apple definitely hasn't been taken over by Microsoft (the horror!) but I like the bronze Jobs statue idea – maybe he could be standing over a cowering Steve Ballmer!

Adobe advice needed

Yesterday I upgraded my 2008 iMac from Mavericks to Yosemite. It took all day and this included a one-hour phone call to Apple. And the result? I'm no longer able to use my Adobe CS3, because it's an old version. I wonder if my ageing iMac will run

Adobe CC? I consider myself an enthusiastic amateur; I'd be more than happy to install CC, but have no interest in Lightroom (it will only take up valuable space on my old hard drive). Can you be of any help? My thanks go out to you in advance!

David Baillie

 **Paul Blachford says:** Adobe is a little bit misleading on requirements for Creative Cloud. You actually only need OS X 10.7 with Safari 7 to run it. However, minimum hardware specs come into play when you look at the individual apps.

No doubt Photoshop is your primary concern and there are some important requirements, namely an Intel-based Mac with 64-bit support and 2GB of RAM (although, take note: 8GB is recommended). So, you *should* be able to run it, but as we always say is the case with photo editing, the more RAM the merrier.

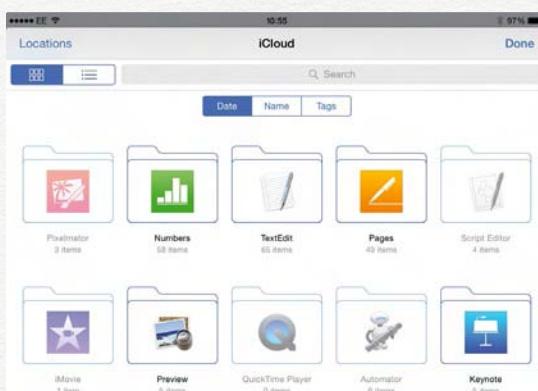
Ears food for thought

With 2014 being the year of 'HD' music tracks becoming more prevalent, it occurred to me: what is the actual change in music quality? I have an iMac, a network streamer and

a NAS drive for storage. I've been playing my music through iTunes using AirPlay and I know my streamer receives music through a cable for more reliable transport, but is my computer's soundcard influencing the audio prior to my stereos DAC, and therefore dumbing it down? What's taking the first bite of the cherry here? Is it the connected Zeppelin speaker in control of the DAC side of things, the cheap soundcard in my tablet, or my computer itself?

My opinion? The limiting factor is actually your ears. There's a lot of nonsense regurgitated on the web about the supposed 'fidelity benefits of 24 bit-music' and 96kHz sampling rates. The truth is that these benefits are entirely illusionary.

The human ear has a maximum frequency response ranging between 20Hz to 20kHz, but most adults have hearing ranges well below that. 44.1 kHz sampling is already capable of capturing this with perfect fidelity. Similarly, modern 16-bit encoding has at maximum range of 120dB. This volume range runs from sounds as quiet as a mosquito to a pneumatic



Requiring iOS 8 to run iCloud is one thing, but Windows running Apple?

A sea of blue Steve Uttley sent us in this wonderful panorama of bluebells in Serlby, South Yorkshire, UK. We love the way the light pierces through the branches. Top snapping, Steve!



drill right next to your face. Double-blind trials published in reputable, peer-review journals consistently shows that no one can distinguish the difference between 16-bit/44.1 kHz audio from 24 bits/96 kHz.

The reason the higher sampling frequencies and bit depth are used to the recording studio is because they're mixing lots of different tracks with different gain and frequency ranges. Using 24/96 gives the engineer some headroom, so that distortions aren't introduced along the way. But whether the final mix is output at 24/96 or 16/44.1 should make no difference to you. With 24/96 audio, your ears simply cannot detect any difference, better or worse.

It's kind of like paying extra for a monitor that outputs light in the infrared or X ray portion of the electromagnetic spectrum!

Steve Bush



Christian Hall says: You make some good points here, Steve.

There are so many factors that affect the way we hear music – between the music being processed by a DAC and before it reaches your ears, there's also the position of

your speakers, the furnishings and layout of your room, and background noise from inside and outside of your home to contend with. As you say, many people can't even hear certain frequencies, or at least don't pay such close attention to music that it matters to them.

I wholeheartedly agree with your point that sound engineers need better fidelity for flexibility with their production, and many external DACs available for computers are firmly pitched at that sort of creative professional, too.

We're generally happy with the quality of the iMac's speakers and its built-in DAC, but there's no denying that there's better out there. Better DACs are indeed one way to improve your Mac's sound quality.

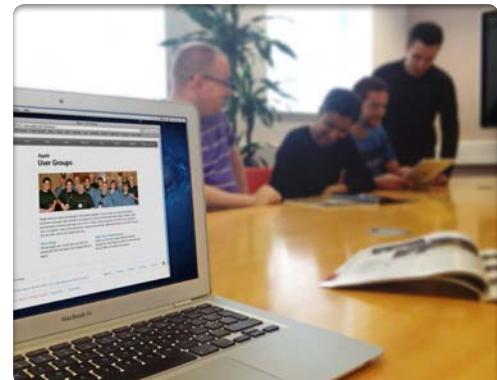
However, quality is highly subjective. We can't say definitively that music delivered in a higher quality format would not be of benefit to someone. We're unconvinced that there's much call for it because other formats, such as SACD, have largely been ignored by the music-buying public, who have instead flocked to supposedly low-quality distribution formats.

Rather than low quality, perhaps a fairer way to look at the digital music from the likes of iTunes and Amazon is that it is good enough? Let us know what you think!



User Groups

Find fellow Mac enthusiasts near you!



Search the list below to find your local Mac user group – and if you can't find one, why not start one yourself? It's easy and fun.

Berkshire & North Hampshire MUG
Reading area
i.j.burn@reading.ac.uk

Midlands MUG,
Birmingham
mmug.org.uk

Bracknell Forest MUG,
Bracknell, Berks
bfmugoffice@gmail.com
bfmug.org

North West Mac Group,
Near Warrington
info@nwmug.co.uk
nwmug.co.uk

Bristol and Bath MUG
info@bbmug.co.uk
bbmug.co.uk

Norwich MUG, Norwich
paul@durrant.co.uk
nmug.org.uk, Twitter: @NorwichMUG

ClubMac Ireland, Dublin
secretary@dubmac.ie
dubmac.ie

OxMUG, Oxford
oxmug.org

Cork University College, Cork
d.murphy@csucc.ie
uccie/mug

South Essex MUG, Wickford, Essex
seal-apple.co.uk

South Wales MUG, Cardiff
terlgafreenet.de
swmug.org.uk

Stroud Mac User Group, Stroud
jmuy@aol.com

Deaf Mac Users – website group for the hard of hearing
tech.groups.yahoo.com/group/deaf-macs

Suffolk Mac User Group, Ipswich
mikelkwasniak@me.com
suffolkmacusergroup.co.uk

Edinburgh MUG, Edinburgh
edmug.org.uk

Surrey MUG, Surrey
surreymug.wordpress.com

Exeter MUG, Exeter
examug@mac.com
examug.org.uk, Twitter: @examug

Three Counties MUG Luton, Bedfordshire
chris@3cmug.org.uk
3cmug.co.uk

Fife MUG, Fife
johnvandieken@gmail.com
famus.co.uk

Wessex MUGs Fareham, Dorchester, Bournemouth & Salisbury
info@wamug.org.uk
wamug.org.uk

Harlech MUG, South Snowdonia
ian@climb8.com

Yorkshire MUG Doncaster & other towns
support@ymug.org
ymug.org

London MUG, London
secretary@lmug.org
lmug.org.uk, londonmacgroup
Facebook: facebook.com/groups/35108081221

Me&My Mac

MacFormat readers share their beloved setups

ENTER AND WIN!

Email pictures of your setup to macformat@futurenet.com and you could win a Pawa Card 3 in 1 portable power bank.



PROFILE

Name

Corey Ferreira

Occupation

Clinical Supervisor
– Pathology, Beth Israel Deaconess Medical Center

Been using a Mac for

6 years

Favourite Hardware

iPhone

Favourite Software

iTunes, iMessage

Corey Ferreira happily admits he uses his Late 2012 21.5-inch iMac for play rather than work. Now hold onto your hats, folks: he's got a colossal 400GB iTunes library! "I like all kinds of music," Corey says, "spanning seventies and eighties stuff right up to and including today's chart pop. My favorite band, though, is Hall & Oates. I'll admit my favourite artist is Barry Manilow – I can hear you laughing, you know!"

Music is clearly important to him, and as we can see from his setup above, he's got a pair of Beats Mixr headphones and Bose desktop speakers, as well as a Bose SoundDock II (out of shot) for his old iPhone 4. "I love listening to live music, in the form of concerts," he says. "I'm in the process of converting to a houseful of Sonos products at the moment, to pair with my iTunes library."

Corey also boasts a huge 250GB library of pictures in iPhoto. "I wouldn't go as far as saying I'm a *big* fan of photography; I don't really use any kind of post-production photo editing apps. But I have a seven-year-old son, so I attend a lot of activities!" he explains. "My wife has a little Sony point-and-shoot, and I have a Nikon SLR; and so between us we don't miss any of life's moments."

With precious photographic memories and a whopping music library, his iMac has an important responsibility of looking after all

"I held the iPhone 6 recently... wow! I won't go for the iPhone 6 Plus though; it's too big!"

13-inch MacBook Pro

1 Corey isn't tied to his desk, because he has a mid-2010 MacBook Pro for on-the-go tasks.

21.5-inch Late 2012 iMac

2 His main machine is his iMac, though, complete with a 400GB iTunes collection. Rock on!

iPad 2 and iPhone 5

3 The 16GB iPad and his 32GB iPhone 5 are key players in Corey's desk setup.

Bose Companion 2 Series II

4 As we've discovered, Corey is quite the audiophile. These Bose speakers could be replaced after Christmas, though...

that material. "My iMac has a 2TB drive on TimeMachine," Corey says. And does he keep anything on his 2010 MacBook Pro? "I back up the MacBook Pro weekly, but I don't store as much stuff on there."

So how did Corey become an Apple fan? "I got into buying Apple products after switching to my first iPhone, which was the iPhone 4. It was my first smartphone; I was kind of late to the game in that aspect. I went with the same model that my friend had, and boy, am I glad I did!"

Obviously Corey has upgraded his iPhone since then. "I have the iPhone 5 now, but my upgrade is in a few months..." he pauses, "we'll see! My next Apple purchase will be a new iPhone." So will Corey opt for the bigger iPhone 6, or the giant 6 Plus? "I'm very pleased with my 5, but I held the iPhone 6 recently... wow! I won't go for the 6 Plus, I know that much – it's too big!"

Win Mad Catz C.T.R.L.ⁱ and other great gaming accessories

Get the Mad Catz C.T.R.L.ⁱ with an 16GB iPhone 6 Plus – or a great iOS gaming mini controller, keyboard and headset bundle!

The iOS gaming market has been crying out for a proper controller. The Mad Catz C.T.R.L.ⁱ is easily the best we've seen (we reviewed it back in MF281); it brings a console-like experience to iPhone gamers (running iOS 7 and above) and the highly responsive triggers and comfortable D-Pad bring your favourite iOS games to life.

The C.T.R.L.ⁱ takes AA batteries for power, which means you don't always have to be close to a source of mains power to recharge – just

pop in a new set of batteries and off you go! The C.T.R.L.ⁱ also comes with a handy clip that attaches to the top that holds an iPhone or iPod touch. It even holds an the larger iPhone 6 Plus (which we're also giving away here).

But that's not all – we've also got some great bundles of mobile gaming prizes for two lucky runners-up, all from Mad Catz – these being: the slightly smaller iOS gamepad, the Micro C.T.R.L.ⁱ; the S.T.R.I.K.E.^M Wireless Keyboard; and the F.R.E.Q.^M Wireless Stereo Headset.

The Question

For a chance to win a Mad Catz C.T.R.L.ⁱ with an iPhone 6 Plus (or a great runner-up prize bundle), just answer this simple question:

The C.T.R.L.ⁱ connects to an iPhone using...?

- A) Infra red
- B) Bluetooth
- C) AirPlay

For more information about Mad Catz and iOS gaming accessories, visit madcatz.com.

PRIZES WORTH AROUND £1,270!

HOW TO ENTER

- To enter, you can visit our website at futurecomps.co.uk/ctrli.
- For full terms and conditions, go to futurecomps.co.uk/ctrli. By sending your entry, you agree to these competition rules and confirm you are happy to receive details of future offers and promotions from Future Publishing Limited and carefully selected third parties.
- This competition closes on January 21 2015. Over 18, GB residents only.

iPad Air 2

Your companion manual

Master the new features of iOS 8 on the best iPad Apple has ever built!



164

pages of help & advice to get the most out of the new iPad

Touch ID • iCloud Drive • Family Sharing • Handoff • Notifications **Plus** 69 Tutorials

Available at all good newsagents or visit

www.myfavouritemagazines.co.uk/computer



Mac SOS

Your questions answered by our Apple expert in residence, Luis Villazon



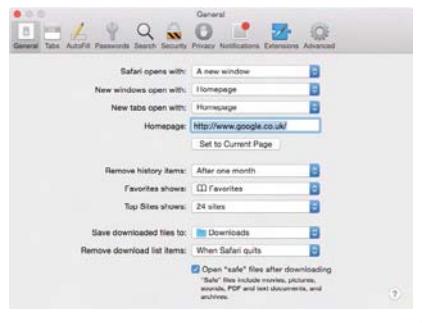
Safari 8 forgets my preferences

QI am happy with the new Yosemite operating system but I do not like the new Safari. Every time I open Safari I get the 'Welcome to Safari' page, followed by favourite and recently visited sites. I am able to customise these, but what I actually want is to turn on the old Favorites Bar from the View menu. If I quit Safari after doing this, then I have to go through the same palaver upon restarting it.

Ian Mott

AThis isn't a bug in Safari 8. I think your preference list has just got corrupted. Right-click com.apple.Safari.plist in ~Library/Preferences and choose Get Info. Ensure you can read from and write to it in the Sharing & Permissions section. If not, use Disk Utility to repair permissions on your startup disk (you can just change the permissions for this file yourself, but if this one has got corrupted, it's possible others have too). If the permissions look OK, it's simplest to just drag the plist file into the trash and let it get recreated when you restart Safari. You should find that's all it takes to make your preferences stick.

If Safari won't retain your preferences, the file that stores its preferences could be corrupted.



Backwards compatibility is no substitute for that new Mac smell.

Can I run two versions of OS X on the same Mac?

QMy present iMac is one of the first 20" Intel models running OS X 10.6.8. I feel that soon it will need replacing. I have a number of apps requiring the installation of Rosetta, and also iDVD, which I am led to understand will not run on Yosemite. Therefore would it be possible to partition the drive and install OS X 10.6.8 in parallel with Yosemite, allowing me the use of my apps including iDVD?

Anthony J Brookes

AYou can dual-boot different versions of OS X, but you may have problems persuading the standard drivers that shipped with Snow Leopard, to work with the hardware in a

modern Mac. There are ways around this - mixing and matching some of the newer drivers with the older OS kernel, for example. But they all fall in the category of things you do for the sake of the challenge.

I wouldn't do any of this. I'm struggling to believe that there are PowerPC apps so essential that it's worth the hassle. When iDVD was dropped, I moaned about it along with everyone else. But no one burns DVDs any more. Video is easy to stream and USB memory sticks hold more data.

If you are determined to keep using DVDs, you can use an external drive and third-party software, like Roxio Toast. But I suggest you keep the old iMac, while you get used to Yosemite and a DVD-less world. I think you'll be surprised by how quickly you wean yourself off burning discs.

My password isn't good enough

QI have upgraded my Mac mini Server to Yosemite. Having been told my server software won't work, I upgraded that as well. Now when I try to load the app, it says "Administrator access is required to set up OS X Server on this Mac", and asks for my password but won't accept it. Is there any way I can resolve this? I am not a computer guru. I only bought the Mac a couple of months ago to teach myself about servers and keep the old old grey cells ticking over.

Keith English

AIt sounds as if your user account lacks administrator privileges. Open System Preferences -> Users & Groups. Your user name should say 'Admin' underneath. If it says 'Standard', log in from an Admin account and try again.



An admin account is required to set up OS X Server.

iTunes insists on notifying me for every song

QI recently upgraded to Yosemite and now I find that iTunes is notifying me every time the song changes. I find this quite distracting and I would like to turn it off. Changing this in System Preferences only lasts until the next time I restart, so each morning I have to turn it off again, which is almost as annoying as the notifications. Is there a way to force OS X to remember my preferences? Failing that, can turning them off be automated?

Grant E Haldane

AOh, this has been driving me gently nuts since Mavericks! Your letter actually gave me the final push to figure out what is actually going on. The ~/Library/Application Support/NotificationCenter folder seems like a promising place to start, but if you delete it or drag it to the Desktop, it doesn't get automatically recreated when you restart. This suggests that your notification preferences aren't actually stored there.

My theory is that they used to be and then this was changed in Mavericks. If you upgrade to Mavericks or Yosemite, the old NotificationCenter folder gets left behind and either overrides the new preferences settings each time, or prevents them from being saved properly.

So let's try this: open Terminal and type:

getconf DARWIN_USER_DIR

This will return a long folder name and you need to use the "cd" command to change to this folder. As an aside, you can actually do this in one step by typing:

cd `getconf DARWIN_USER_DIR`

You need to use the single quote that shares a key with ~ on your keyboard, not the one that appears on the " key).

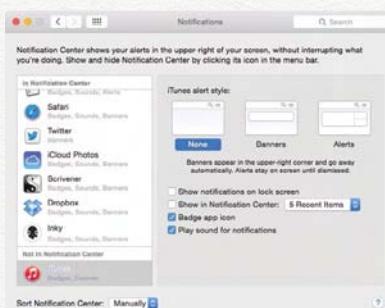
From this folder, type these three lines, pressing ↵ after each one:

rm -rf com.apple.

killall usernoticed

killall NotificationCenter

Now restart and change your preferences again. This time, they should stick.



If you upgrade to Yosemite, iTunes may forget your notification preferences every time you restart.

A scorched earth policy is not the best policy

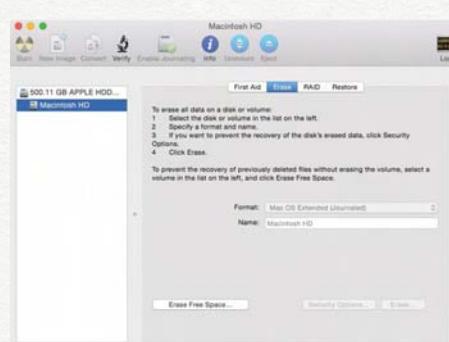
QDespite going through many of the procedures you describe for speeding up my Mac, I am still aware that it is operating slowly, and I would like to erase it and start again. Everything is backed up safely, of course, but as an install disc wasn't provided with the Mac, I feel very wary. Could you give me foolproof instructions, please?

Diane McDonald

AStep 1: don't. The idea of resetting your Mac to brand new by starting again with a blank slate is just a seductive fantasy.

The reality is that your Mac won't get any faster this way. New computers feel fast because they have new hardware, not because they are emptier. Your Mac feels slower partly because you are used to it, and partly because you're asking more of it.

You don't believe me, I can tell. But I have seen this many, many times. If you erase and reinstall, you'll waste an afternoon setting everything up, and after the giddy excitement of spring cleaning dies away, you'll be left with a computer that runs just as it did before. Remove unwanted programs from Login Items in Users & Groups preferences and upgrade your RAM if you can. After that, sit tight until you are ready to buy a whole new Mac.



Erasing your startup disk and reinstalling feels like it ought to help – but it usually doesn't.

How do I make a calendar with photo captions?

Q For the past three years I have created a calendar from my iPhoto albums, but can see no way to add a description below each of the photos in it. You can only add details to the cover photo.

I have Photoshop Elements 11, but I have not explored it sufficiently yet to see if it can do this. I have also checked my copy of *iPhoto '09: The Missing Manual* and it contains nothing about this.

Robin Mellings

A I haven't played around with iPhoto calendars enough to be sure how recently this was added, but you can definitely do it in the current version (which is iPhoto 9.6). If you select a calendar page and click the Layout button at the bottom of the window, you'll see two layout options for each arrangement of



iPhoto uses fixed templates for calendars and books, with alternative versions that include captions as well.

photos. The left one is just the photo; the righthand one has a caption beneath it. The thumbnails don't make it very obvious, but it's there. If you are marooned on an older version of iPhoto that lacks this, you could use Photoshop to edit captions onto the photos, and re-import the edited versions into iPhoto, but this is a good deal fiddlier.

Mail is too temperamental – what else is there?

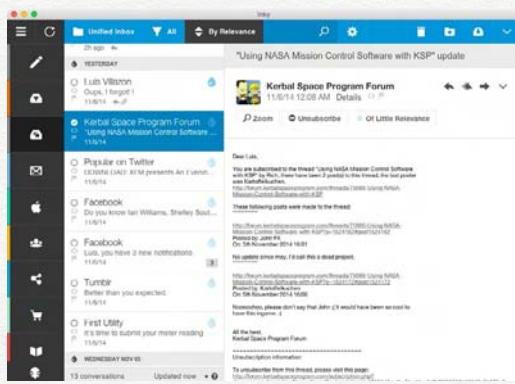
Q I have an iMac running Mavericks. Using the Apple Mail app to send/receive from my Gmail account is a real problem. For some reason a mail can get replicated many times and dumped into Trash. Sometimes a message is sent, then appears in the Outbox as if it hasn't been sent. So I am looking for a replacement mail system that is reliable, simple to use, and works well with Gmail – but I don't want to lose my existing mail.

Jeff

A I think it's worth persevering with Apple Mail. When a message appears in Outbox, it's not 'as if' it hasn't been sent – it really hasn't. The Outbox folder only appears when a message can't be sent, and it auto-deletes itself when the message successfully sends.

The real question then, is why can't you send? Since you're using an iMac, you are presumably at home, with a trustworthy

connection, and you don't mention changing any email server settings recently. But they could be corrupt, so a good first step is to trash com.apple.mail.plist and com.apple.mail-shared.plist from ~/Library/Preferences. Delete the files that begin with 'Envelope Index' from ~/Library/Mail/V2/MailData. Restart Mail and follow the prompts to rebuild the index. If you still want another app, try Inky (free, inky.com).



Inky is an alternative email app that feels like Windows Live Mail.

Tech Talk

by Luis Villazon



► A few issues ago I had a letter from someone who had reactivated their World of Warcraft account but couldn't log in to any of the servers. They were running Snow Leopard and the current game client needs Lion or better. So when my son told me he was dipping his toe back in the murky MMO waters for the new Warlords of Draenor expansion, I told him he would also need to upgrade, and gave myself a pat on the back for recalling this.

But almost immediately I was forced to revoke this pat, because he still couldn't log in. The launcher would start, the client would load, his

I told him he would need to upgrade, and gave myself a pat on the back

username and password were both accepted, but the game would freeze for 30 seconds or so and then ask him to choose an alternative server – implying that his default one was full. This definitely wasn't the case, because he could log in from my Mac and a PC.

I ran traceroute from Terminal to the server's IP address and found that some links in the delivery chain were taking two or three *seconds* each, when normally the delay should be measured in milliseconds. The culprit turned out to be LogMeIn Hamachi, a VPN app that my son had installed to spoof his network location so that he could play on Minecraft's US servers. All the network redirection this entails was adding so much delay that the Warcraft servers were timing out, making the game think the servers must be full!

Luis is playing Ingress to break the Kerbal Space Program habit that got him off World of Warcraft.

Yosemite has brought Safari to its knees

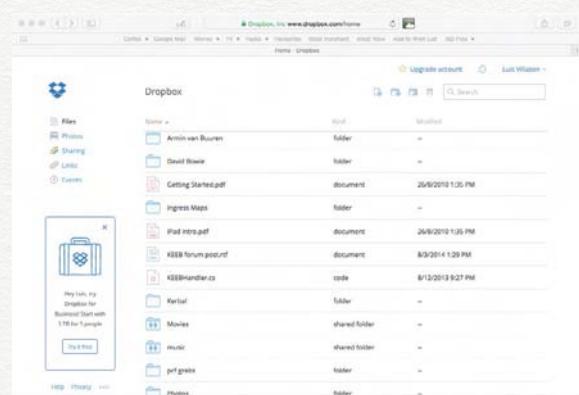
Q During a day of using Yosemite, the spinning wheel of sleep has appeared more frequently than in 10 months of Mavericks. I've cleared the cache. I've deleted the Cache.db file (~Library/Caches/com.apple.Safari/Cache.db). I've quit and relaunched Safari. I've added no extensions. My download speed is always greater than 50Mbps.

Ron Hughes

A Deleting the cache files is a good first step, although you also need to reboot afterwards and empty the Trash for it to take full effect. I haven't

experienced this Safari slowdown on any my Yosemite Macs, but I've seen a lot of reports that implicate connected cloud services like DropBox and iDrive. Disconnecting and then reconnecting them has fixed the issue for some people.

Other suggestions – including resetting the System Management Controller and the non-volatile RAM – seem suspect. The NVRAM stores display resolution, speaker volume and other settings for directly attached hardware, not devices accessed over the internet. Likewise, I'm sceptical that significant memory leaks or other bugs have made it past Apple's QA process. So my money is on connected cloud drives.



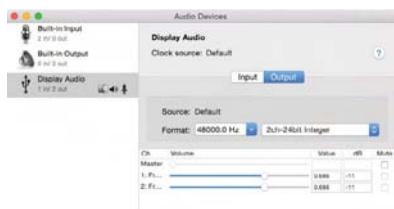
Try signing out of all your cloud storage services and rebooting if you have experienced sudden slowdowns with Safari under Yosemite.

Defecting from Windows

Q My iMac runs Mavericks, and I run Windows in Parallels. Previously, I set my 1TB external drive to connect to Windows by default. I now want it to default to connecting to OS X, but I can't work out how to change this.

Steve Mapstone

A It's very slightly different between versions of Parallels, but if you open Parallels' preferences and click the Devices or USB tab, you'll see every device for which Parallels remembers your preference. Select your drive in this list and press the minus button to clear its setting. Ensure "Ask me what to do" is chosen under "When a new external device is detected", above, and Parallels will ask what to do when you next connect the drive.



Your USB devices can default to connecting to either Windows or OS X when using Parallels.

Dumping data to save disk space

Q My MacBook Pro has a 250GB drive and is almost full – about 50GB is music and 100GB is photos. I've been giving thought to how best to add external storage to my setup – to run Time Machine backups, but also to adjust my network setup so that my BT Home Hub 4.0 works purely as a modem and a Time Capsule runs the wireless network. I don't know how to go about setting that up though!

I know Time Capsule will enable me to move things off my MacBook, but I had problems moving my iTunes library onto a wireless external drive in the past. I'd be grateful for advice regarding a similar setup using a Time Capsule or an alternative.

David Bradford

A Adding a Time Capsule backup is an excellent idea, but it won't solve the disk capacity problems on your MacBook Pro. Time Machine is a

backup, not an archive and you certainly shouldn't feel you can delete files from your hard disk just because they are backed up somewhere. You could configure the Time Capsule's disk to use part for backups and the rest as networked storage, but this defeats the point of a backup because Time Capsule can't back up its own drive.

I think you are making this much more complicated than it needs to be. Just get a Time Capsule to back up all your Macs and plug it into your router. There's no real advantage in using it for Wi-Fi because your BT Home Hub is perfectly capable of handling that, and you'll find it easier for BT to diagnose problems if you have a configuration it's familiar with. Similarly, don't bother moving your iTunes library if you don't need to. 50GB isn't that big a deal and you can free up plenty of space on the MacBook by moving your



Your Time Capsule is best used for backing up, not archiving.

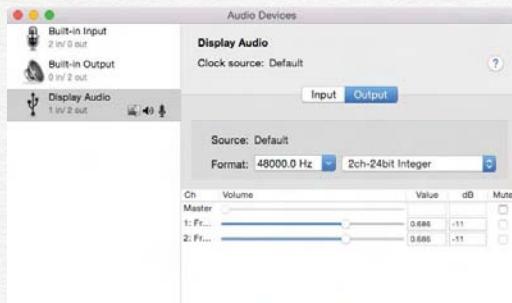
photo library, which is simpler. Move the photos to an external USB drive. That's cheaper and easier to set up, and you can still back them up to the Time Capsule.

Improving music on a Mac

QI play a lot of music through my mid-2010 27-inch iMac, but the sound quality isn't as good as I would like it to be. I have a set of Harman Kardon three-way speakers but sound output is quite flat, with no real treble. I have experimented with iTunes' equaliser to no avail. Could it be a mediocre on-board sound card, or should I look for a 3rd-party equaliser?

Dave Morris

AMusic quality – like the difference between a £6.99 bottle of wine and a £40 bottle – is something that most of us never appreciate and an unlucky few are haunted by. Before we decide which camp you belong to, let's start with the obvious. Try listening through a decent set of headphones to rule out a problem with the speakers. If this makes no difference, open the Audio MIDI Setup app



You can use the Audio MIDI Setup app to check and change the output quality of your sound card.

and ensure your Mac is outputting sound at 48kHz with 24-bit sampling. A corrupted preference file could have forced it into 16-bit mode, which a keen ear might hear. Try the audio test at bit.ly/1yGwlu to see if the anti-aliasing filter on the sound card is responsible. If your ears are just too good for the iMac's sound card, try an external one, such as the rPAC (www.arcam.co.uk).

Inheriting a MacBook

QI have a MacBook, which I got when my daughter upgraded. Everything works fine and I'm the sole user. My only problem is with the App Store. When an update is selected, it asks for an Apple ID password, but with my daughter's ID, which is greyed out and can't be changed. Is there a way to change this to my own Apple ID, or do I have to reset the MacBook?

John R. Gordon

AThe procedure for hand-me-down laptops is the same as for other secondhand Macs: they need to be erased and reinstalled using Internet Recovery mode. This is because OS X is irrevocably tied to the Apple ID that was used to install it. You'll be able to install the operating system this way but any other apps from the App Store are tied to that Apple ID as well and you have no legal title to them. This doesn't just apply to third-party apps; it includes the iLife apps

(iPhoto, iMovie and GarageBand). These are bundled for free with a new Mac, but they aren't actually part of OS X. Your daughter can give you the Mac hardware, but she can't transfer the apps tied to her Apple ID.

After you have reset the MacBook, you can sign in to the App Store and download these apps again. GarageBand is free but the other two cost £10.49 each. Or you could leave the MacBook tied to her Apple ID and just get her to type in her password whenever you need to update.



If the iLife apps aren't installed under your Apple ID, you can't update them using the App Store.

Self Service

Five tips for Yosemite

What tiny tweaks lie buried in the latest version of OS X?

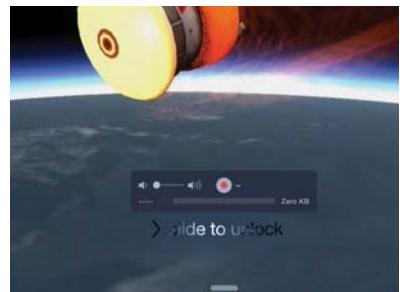
1 Safari makes it easier to migrate from other browsers. Choose File -> Import From to copy your bookmarks and browser history from Chrome or Firefox. If you import from Firefox, you can copy over your saved passwords as well, but this isn't available for Chrome.

2 The Wi-Fi menu now has an extra option to disconnect from your current wireless network. Just Alt-click the Wi-Fi icon in the menu bar and choose Disconnect. This saves turning Wi-Fi completely off and then on again.

3 You can use QuickTime Player to mirror your iPhone or iPad display on your Mac. The iOS device needs to be connected directly to the Mac (not through a hub) using a Lightning cable. Choose File > New Movie Recording in QuickTime Player on the Mac, then click the drop-down arrow next to the Record button and select your iOS device as the camera and, optionally, the microphone. Try it – it's cooler than it sounds!

4 The iCloud preferences pane now displays an iTunes-style bar to show you how much of your storage you have used and what it is used for.

5 If you don't like the translucent Dock and menu bar, open Accessibility preferences, select Display, and then check the box marked 'Reduce transparency'.



QuickTime Player lets you view your iPad or iPhone screen on your Mac, and you can record it.

iOS SOS

Christian Hall fixes your iPad and iPhone problems



GET IN TOUCH

If you have a technical query with your iOS device that you need answering, please email us at sos@maformat.com

Phone calls on an iPad

Q I have an iPad Air, which has been upgraded to iOS 8.1. I understand that I can use my Vodafone SIM to make calls and send texts on the iPad now. How are they charged? Does it just use up some of my data allowance?

Martine Hatton

A iPads can't do these things directly. Cellular models only use the mobile network to get online. You may be thinking of a Continuity feature in iOS 8 and OS X Yosemite, which routes calls (and with iOS 8.1, texts too) through an iPhone. Both devices must be signed in to the same iCloud account and be connected to the same Wi-Fi network. Charges come out of the iPhone's plan.

Charging from a USB hub

Q MacFormat reported on a new product a few months ago but now I can't find the write-up about it. It was a short USB cable with a hub to bring USB ports to the front of the display, avoiding having to hunt for one at the back. Can it charge an iPhone and an iPad?

Duke Zimmerman

A The drain from a Retina iPad is much higher than from an iPhone or non-Retina iPad. The best way to charge one is using the mains adaptor that came with it. You can also charge an

iPad from the USB ports on a Mac or a Cinema or Thunderbolt Display, but there are some restrictions. The Mac or monitor must be on, not sleeping; it only works for one iPad at a time; and only from the ports on the back or on Apple's wired keyboard.

Some hubs, like the Belkin 4-port model available on Apple's online store, can't charge iPads. That requires a hub that can supply 2A of current. You could try the Anker nine-port USB 3.0 hub (£44 from Amazon), which has one 2.1A charging port for your iPad. It's a powered hub, so you'll need to plug it into the wall as well as the back of your monitor.

Safari stalls with iOS 8

Q My iPad does not always go online when I search using Google. The blue bar extends to about a quarter of the way and then stops, and eventually I get a message saying that the server has stopped responding. My iPhone 5s and my iMac are never affected. This has only started since I updated from iOS 7. Doing a complete cold reboot or switching off Wi-Fi for about 30 seconds and then back on usually fixes it, but not always.

David Simpson

A If the progress bar stalls that early, it's probably because of a DNS problem. DNS stands for Domain Name System and it is the process that converts domain names like www.apple.com into the numeric IP addresses that internet routers actually use. DNS is

handled by servers on the internet and by default you'll be connecting to the DNS server at your ISP, because that's what your broadband router is configured to do.

I also encountered this problem in iOS 8 and, as an experiment, I have changed my router to use the OpenDNS servers instead. These are at 208.67.222.222 and 208.67.220.220. It's still too soon to say for certain whether this has definitely fixed the problem, but so far it's looking promising.



Changing your router's DNS settings is easy, and you can use alternative servers from OpenDNS.

iOS 8 broke my touch screen

Q Since upgrading to iOS 8, I have found Safari to be unreliable on my iPad mini. Around one time in three, links in a search results page can't be tapped! I have to force-quit Safari or restart the iPad. Neither is exactly convenient.

Sara Glenthorne

A Yes, it's a bug in Safari and it's extremely annoying. It seems to be caused by links that use the `target="_blank"` attribute in their code. Try this workaround: long press on a link, then drag to scroll the page slightly. This unsticks Safari and allows you to tap links.

Missed an issue?

Get it on the App Store!

Looking for a back issue? Look no further. Search for 'MacFormat' on the App Store to get our award-winning app for iPad, iPhone and iPod touch! There are lots of issues of *MacFormat* inside it, ready to be downloaded immediately. And remember, from issue 250, *MacFormat* became a fully interactive iPad app!



Issue 281
Christmas 2014

53 hidden features of Apple's new OS • Expert reviews for the 5K iMac and the thinnest, fastest iPads • iOS remote-controlled toys



Issue 280
December 2014

Your complete guide to cloud file syncing • iPhone 6 & 6 Plus: reviewed and tested • 4K video cameras group test • Why we love Apple



Issue 279
November 2014

The lowdown on the Apple Watch • Six advanced video editors on test • 50 iOS 8 tips and features • The smart way to upgrade your iPhone

HOW DO I GET MINE?

Download back issues onto your iOS device; get our award-winning app at bit.ly/macformatipad

To order back issues of the print magazine, go to <http://goo.gl/B7aFdk> or phone +44 (0)844 848 2852 and we'll post them out to you

To become a print subscriber so you never miss another issue in the future, go to page 26.

SOCIAL SOCIETY



Run your own social group

Rosie Hattersley looks at how to make more of your hobby group by blogging, using social media and discussion tools

Lots of us have hobbies and pastimes, whether they be book clubs, craft clubs and sports clubs. If you run such a group, keeping everyone posted about meetings and special events and attracting new members can take up more time than participating. But if you turn your group into a community, members will start to do their part in organising events, telling each other about what they've been up to and new projects you can all work on. The group can take on a life of its own, making it more fun for everyone. If others can see you're an active group, they're more likely to want to join, solving the problem many groups have in attracting 'fresh blood'.

For a group to thrive, you need to make members feel as though they have a stake in its running, and to feel like a 'proper' club, you want members to chat about it to each other outside of meetings. There are lots of web-based tools you can use to foster group communication and strengthen its links. If you've already got a group going but want to strengthen the bonds between members, consider a combination of online tools. You can set up a

(free) Facebook page and add contact details, photos and a description of what your group.

Sharing is caring

Although you might set up a blog and a Facebook page, other group members might take it upon themselves to add more means of sharing details of the group. They might mention it on their personal blog or Twitter feed, post photos on Facebook and Flickr and so on. If someone's clearly adept at social media, invite them to run your Twitter feed or upload photos from your meetings for everyone to see.

Increasing your communications and reaching out to group members is a great way of building bonds, so long as you demonstrate that you want to include them and welcome their input. An onslaught of extra communication can get annoying, so make sure you don't go overboard with it, though!

However, don't expect people to discover all these new tools for themselves. You could mention the new ways of staying in touch as part of a regular mailing list message as well as a post on the website. Try to enthuse everyone about the great new ways you've got of communicating with each





Make sure to include an eye-catching image when you post Facebook statuses.

other and encourage members to suggest how they'd like to see the group develop.

Always include an email address or another means of contact (for whoever runs the group) so people aren't dependent on chatting with you and each other over Facebook. Tell group members about the Facebook page and ask them to 'Like' or add themselves to it.

Make sure you use the new tools yourself and remember to post stories and social media updates to keep people interested. Don't pour

hours of effort into creating a great-looking web page or adding everyone to a mailing list that you maintain diligently, and then go on to ignore any replies you receive.

Since some group members may not use the web or email that much, continue to advertise your group and its activities through more traditional means, too. If you send out paper-based newsletters, put up posters or flyers in your local area, make sure that you include the email address and any other means of contact.

Getting people involved

To build a community around your group, you need a central point of information. This could be a website, blog or Facebook page or more than one of these options. You don't need to have a complicated website – you'll find that a blog such as a WordPress (wordpress.com) or Blogger (blogger.com) site will be fine for most purposes.

Alternatively, Tumblr (tumblr.com) is a good choice if you want to keep things simple. This works as a basic image and text feed, whereas WordPress and Blogger are more like traditional websites with static

Facebook tips

- ✓ Check the Facebook page for new Likes and comments.
- ✓ Make sure you answer comments or queries.
- ✓ Add details of group meetings and other events.
- ✓ Invite other people who use Facebook to the event (such as friends or members of similar groups in the area).
- ✓ Have multiple Facebook page administrators. That way you'll all be able to post articles, add events and reply to other people on

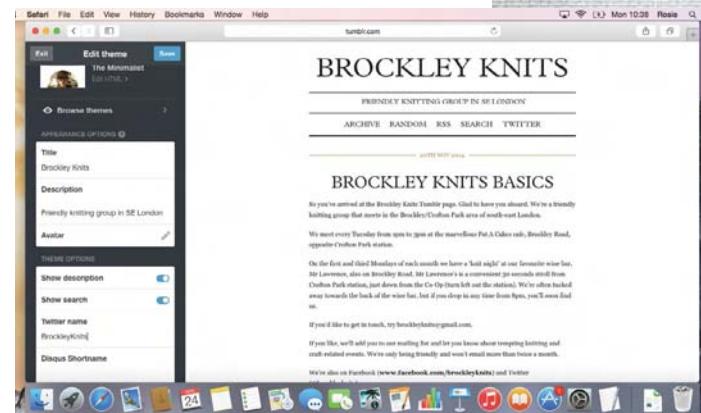


Facebook as yourselves or as the group name.

✓ Having several administrators will spread the responsibility for managing the Facebook page as the group grows.

✓ Encourage members to share links to interesting articles on your Facebook page and to post their own photos relating to the group's interest.

✓ Don't rely on Facebook to be the exclusion of other ways of sharing information. You don't want people to feel excluded because they aren't Facebook users.



The Tumblr dashboard for 'BROCKLEY KNITS' shows settings for the blog, including the title 'Brockley Knits', description 'friendly knitting group in SE London', and various theme options. The main blog page displays posts and a sidebar with 'BROCKLEY KNITS BASICS' and a link to the group's Twitter handle.

information pages as well as an archive of news stories known as posts.

You also need a central contact point – ideally a dedicated email address for your group. You can set up multiple iCloud, Gmail or Yahoo accounts just by selecting the new email account option at their respective login pages, then use this to send out emails to the group. Using a free service such as MailChimp (mailchimp.com) is a much easier way of managing your mailing list.

You should also add a calendar to your site, so everyone knows about the next meetings.

You can add your group's Twitter handle to your Tumblr page.



The MailChimp interface shows a campaign titled 'Campaigns Knitting March 17'. It includes sections for 'Plain-Text Email' and 'Details'. The main content area describes a knitting event in London and includes a link to a PDF document.

MailChimp (above) is an email market service provider, and it's free.

SUBSCRIBE

Subscribe to MacFormat wherever you live!

- ✓ Save up to 47% off the cover price
- ✓ Never miss an issue again
- ✓ Every issue delivered to your door
- ✓ Read your copy days before it's available in the shops

Price £5.99 | Issue 212 | January 2015
MacFormat.com | @MacFormat

Mac FORMAT

FOR ALL YOUR APPLE NEEDS – for 21 years –

#1 BEST OF APPLES

2015 PREVIEW

Get ready for Apple's amazing next-gen kit

- 12.9-inch iPad Pro
- Retina MacBook Air
- 4K Apple television

Find stuff faster in Yosemite

Unlock secret powers of the all-new Spotlight

Keep files safe in iCloud Drive

Put precious files online from all your devices

Tidy up all your photos

Get ready for the new Photos app for Mac

New kit rated

- New styluses from Wacom
- Fastest ever portable SSD
- Thunderbolt 2 dock

Big sound, small price!

In-ear headphones for your iPhone, iPad and iPod

116 pages of essential tips and tricks

Master your Mac today!

Discover the smarter and easier ways to use your Mac

**Live in the UK?
Go to p26**

Subscribe today and save money!

North America	Europe	The rest of the world
From \$32.50 every three months	£83.99 per year	£89.99 per year
imsnews.com/mfc-a061	myfavouritemagazines.co.uk/mac-overseas	
1-800-428-3003	+44 (0)1604 251 045	

Or try our interactive iPad edition; see p95!

SOCIAL SOCIETY



You don't need to create a complex website as your main community hub. Tumblr is a simple image and text feed.



There are a couple of ways you can do this; you can either create a public calendar in iCloud or embed a Google Calendar on your site. Add your meeting dates and then click the 'public' option. Copy and paste the code into a page on your site. People can click the calendar to add it to their own iCloud or Google Calendar and get meeting reminders.

There might be occasions where you want to ask people to, say, help write a meeting report, design a poster or provide feedback on the year's events. You can create shared documents for this purpose by signing in to [icloud.com](#), creating a new document and then clicking the Share icon at the top, and then invite collaborators by email. Anyone who wants to contribute will be able to edit the document or add comments.

Who's attending?

Similarly, the Attendance template in Numbers can be used to get people to let you know whether they're able to attend a planned event on specific dates. If you prefer to keep such discussions online, try Doodle ([doodle.com](#)). This is specifically geared up

A calendar for your group allows members to plan accordingly for upcoming events.

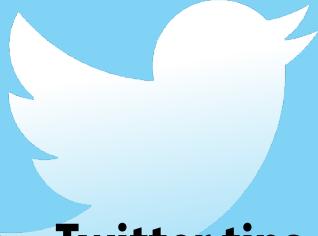
for helping invitees find a mutually convenient date.

Consider creating a poll to get feedback or ideas for future events. You can do this in WordPress by clicking the Feedback option in the Dashboard and choosing Poll. Name your poll and add several possible answers. Tick 'Allow other answers' if you'd like people to be able to make their own suggestions.

To add a poll to other types of site go to [polldaddy.com](#) or [surveymonkey.com](#) and create a free account. Both let you create detailed surveys and provide links so you can embed them in to your website, Facebook page or share through Twitter.



There are plenty of pre-made templates on iCloud's Pages, which you can use as a starting base for your own group's posters.



Twitter tips

- ✓ Include your group's email address in the Twitter profile so people can get in touch.
- ✓ Mention related interest groups and organisations in some of your tweets. They'll probably share your Twitter message, helping spread the news of your group's existence.
- ✓ Try to make Twitter replies informative, such as '@niceperson, yes, our next meeting is on Monday 3rd at 8pm. See you there?'
- ✓ Remember that you're tweeting (posting messages) in the group's name, not your own.
- ✓ Some Twitter apps can send out tweets at a preset time, so you don't need to remember to do so. Try Hootsuite or Tweetdeck, both of which have desktop software to use on your Mac. Alternatively if you prefer to run your social media from your iPad or iPhone, try Buffer.

Community chat board

If you meet infrequently, have lots to discuss or there's a supportive/friendship element to the club that you want to foster, consider setting up a chat room on your site. Setting up a forum or chat room is fairly easy – the challenge is in managing them well. It's really important that everyone knows the rules of the forum and is upbraided if they don't abide by them. If someone says something nasty and it isn't challenged, your forum will soon become unpleasant for everyone. In many instances, you'll actually want a commenting function for a specific page on your site.

Your own forum

The free Pnyxe (pnyxe.com) generates a forum-like commenting system to individual posts and pages. People's names show up in the comments thread and can respond to the overall topic or to a particular commentator. There's a 'report' option if someone gets het up and says something nasty. Look out for emails about such issues and try to smooth things over.

To add a forum, log in to your blog then go to the account preferences page and choose HTML as the text editor format. Next, open a new web page and go to pnyxe.com and create a free forum account. Copy and paste the HMTL code that's generated into a new Tumblr post.

To add a forum page to Blogger, go to the dashboard and either create a new post or click Edit to update an existing one. Select the HTML view and paste the code from pnyxe.com.

*Website Name: brockleyknits.tumblr.com
*Email: brockleyknits@gmail.com
*Password: *****
*Confirm Pass: *****
*Nickname: BrockleyKnits
 I agree to the [Terms of Use](#)

[Create Account](#)

* You can change these details later
* The account enables you to manage all products (comment system, forum system, recent posts)

A forum creates an instant online community.

Welcoming environment

Make your site or blog colourful and welcoming and include photos of people and activities from the group. Ideally, add a page just for suggestions. If it's a WordPress site, this could be one of the static pages, so it's always visible from the home page.

If you're going to have a chat facility on your site, make sure it has a clear set of rules. If people say something out of place, make sure they're (gently, but firmly) admonished so everyone knows that there are standards and it's a friendly place.

You don't have to allow commenting on every page. If you so desire, you can turn off commenting if you simply want

Make sure your chat facility has a clear set of rules; let people know there are standards

to be able to use the site as an information resource.

For new members, their mailing list sign-up email may be their first direct contact with you, so give them a warm welcome. Emails you send out regularly should also always be friendly. Mention members' activities and achievements in your emails and blog posts to make them feel included.

Related projects

Ask people to let you know of things they need help with or related projects they'd like you to publicise. If someone's taken on a particular project, ask them to write it up for the group website or blog. Writing from the first-person perspective is a great way to inspire other people.

Acknowledging everyone's input will encourage them to continue contributing and may also prompt other members to volunteer their time.

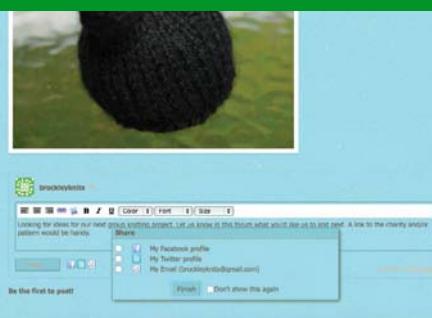
Publicising your community

Once you've set up your site and mailing list, you should start telling people about them. Facebook and Twitter are great for sharing updates and for alerting people to new web posts. Set up both accounts using your group's email address. Paste a link to a story from your site to the Facebook page and people will see a preview of it (remember to include a photo in each post). You can also add photos to your tweets, but you have to add these manually. Twitter will shorten web links for you, but you need to keep the message itself under 140 characters.

Share This

If you have a Facebook page as well as a WordPress site or Tumblr blog, you need to make sure everyone can get the latest information about your group from any of those sites. You can cut and paste stories from one account to another, but you'll need to add the photos and links separately; it's simpler to cross-post articles between your sites. At the bottom of a published post on, say, WordPress, there's a Share This section. Click Twitter, Facebook or Press This (if you want to post the story to another WordPress blog you manage). Make sure you're logged in to your group's Twitter account (not your own). For Facebook, use the drop-down menu to choose 'From a page you manage' rather than 'On your own Timeline' as the new post's destination.

The post will have a link to the original source, so by posting between sites you'll let people know about the existence of your other online sites.



Cross-posting allows you to reach a larger audience.

THE COMPLETE Apple Gift Pack

Everything you need to get the best from your Apple products is here!

MacFormat presents

iPhone 6 Your companion manual



ON SALE NOW

www.myfavouritemagazines.co.uk/GiftPacks



RATED



“Does music sound better when played at jaunty angles?”
CEOL Carino p93

REVIEWED IN THIS ISSUE

GROUP TEST

In-ear headphones	86
-------------------------	----

KIT

Thunderbolt 2 Express Dock	90
Misfit Flash	90
X-mini CLEAR	91
Creative Stylus 2 & Bamboo Stylus Fineliner	92
CEOL Carino	93
Angelbird SSD2go pocket 512GB	93
Koubachi Plant Sensor 2 Pro	94
Native Union NIGHT Cable	94
Atama Sesame 2	94
Xsories WeyeFeye S	94

MAC APPS

RapidWeaver 6	96
Coda 2.5	97
Screenflow 5	98
Deliveries For Mac	98
Guardian Angel	98
Flare 2	99
Desk	100
HoudahGEO 4	100

MAC GAMES

Borderlands: The Pre-Sequel	102
Transistor	102

iOS GAMES

The Sailor's Dream	103
Space Age	104

iOS APPS

Inbox by Gmail	104
Timeful	104
Pixelmator for iPad	105

REVIEW MANIFESTO

Our ratings explained

Our reviews are totally independent; we're not affiliated with Apple or anyone else, nor are we influenced by advertisers. You can trust us.

Prices we quote for products are correct at the time of writing and are the best we can find from a reputable online dealer, excluding delivery.

★★★★★ Rarely given; a brilliant thing that's as good as you can get in its class right now

★★★★★ A strong recommendation to buy; any concerns are comfortably outweighed by its strengths

★★★★★ A good product you should consider buying, but there may be better options for you

★★★★★ Fundamentally flawed either in concept or execution; there are almost certainly better options for you

★★★★★ A waste of your money and everyone's time; do not buy!



Given solely at the discretion of the Editor only to truly exceptional products.

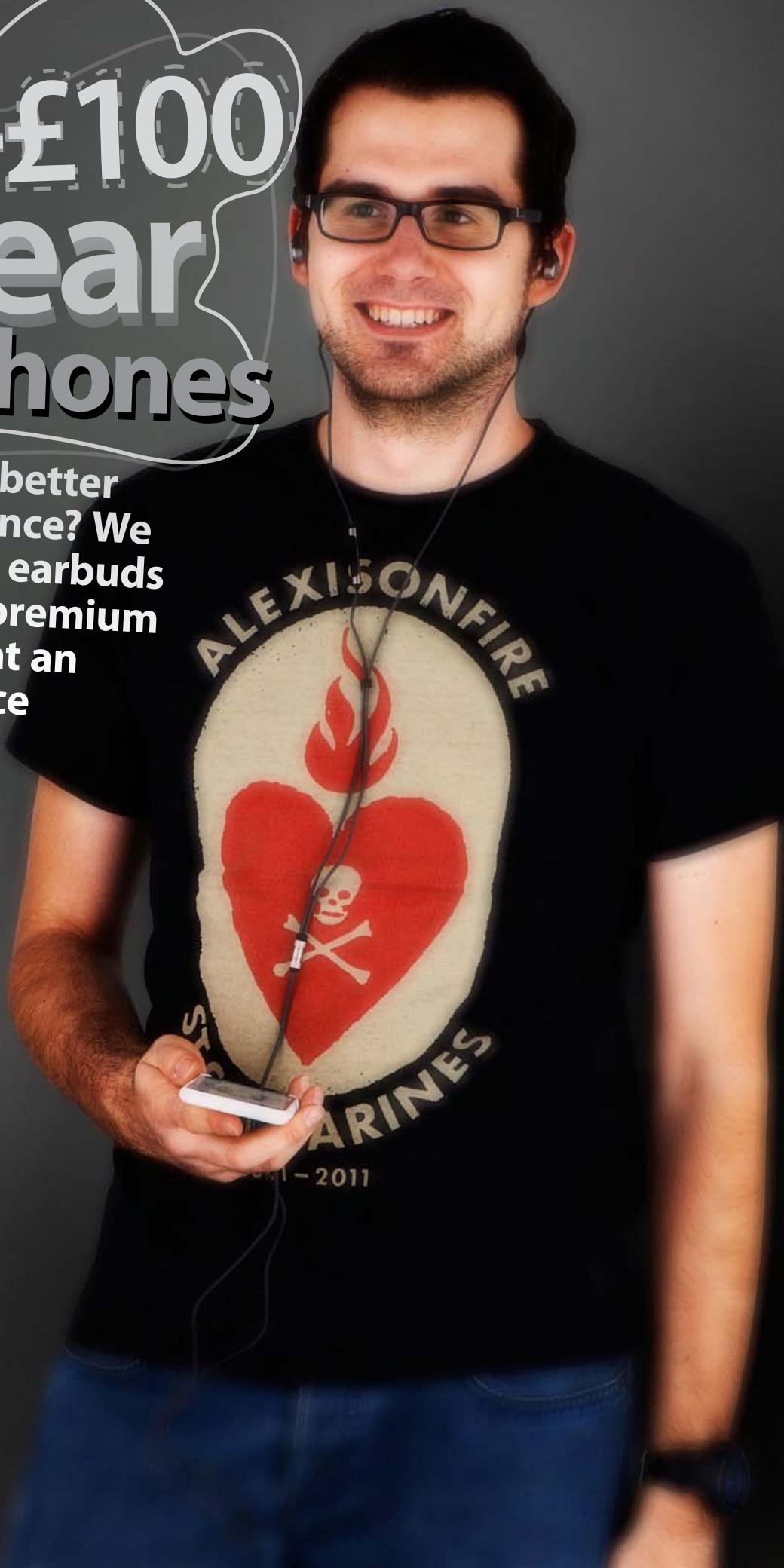


Our group test winner gets this award; it's the best of its kind at the time of writing.



Sub-£100 in-ear headphones

Looking for a better music experience? We test six sets of earbuds that promise premium performance at an affordable price



> In-ear headphones: they're a tough nut to crack. Faithfully reproducing sound within the confines of over-ear cans takes considerable expertise, but achieving the same thing in the space of an ear canal is an even greater feat, since the work of translating an electrical signal into air vibrations runs up against the inner limits of human anatomy.

The perfect in-ear bud has become a Holy Grail of sorts among sonic enthusiasts. Even Apple has struggled to innovate its standard iPod and iPhone earphones over the past decade, with the company's latest EarPods bringing increased comfort and bass, but also average audio quality and a one-size-fits-all design that almost guarantees poor noise isolation. No wonder third-party

earbuds are so highly courted by music lovers on the move.

How much you're willing to spend on a pair of earphones is up to you, but buds in the £50-£100 price range tend to offer the best mix of sound quality and durability. Spending less is often a short lesson in regret; spend more, and improvements become incremental and increasingly negligible unless you're a card-carrying audiophile.

The in-ears featured claim best-in-class sonic performance, comfort, design and ease of use

The six in-ear headphones featured in these pages all claim best-in-class sonic performance alongside comfort, solid design and ease of use. Five of the six buds on test include inline controls (a stick-like controller integrated into the cable) that are compatible with iOS devices and at the very least allow you to pause and play music, change track and accept or decline incoming calls. Most of the headsets here also let you adjust volume. Only the Vibe BA11s buds omit inline controls, with the rationale being that integrated remotes can have a negative impact on sound quality. We look at the pros and cons in the following comparisons – these being audio quality, accessories, control features, and how comfortable the buds are to wear and use. But there can only be one winner... **Tim Hardwick**

SUB-£100 IN-EAR HEADPHONES | AT A GLANCE



	Audiofly AF56M	Sony MDR-EX650AP	Klipsch R6i	RHA MA750i	AKG K375	Vibe Brass BA11s
Price	£96	£60	£79	£90	£75	£100
Website	audiofly.com	sony.co.uk	klipsch.co.uk	rha-audio.com	akg.com/uk	vibeaudio.co.uk
Driver size	13mm	12mm	6.5mm	Not available	Not available	10mm
Cable length	120mm	120cm	110cm	135cm	120cm	120cm
Weight	24g	17g	15.2g	36g	6g	25g
Spare tips	Four pairs (S, M, L, XL)	Four pairs (SS, S, M, L)	Three pairs (S, M, L)	10 pairs (2x S, M, L, standard and dual flanged)	Three pairs (S, M, L)	Two pairs (1x foam, 1x rubber)
In the box	Velvet-lined storage tin	Soft carry pouch, cord adjuster	Soft carry case	Soft zipped carry case, steel ear tip holder	Hard carry case	Soft drawstring carry case



- 1 RHA MA750i £90 rha-audio.com
- 2 Audiofly AF56M £96 audiofly.com
- 3 Sony MDR-EX650AP £60 sony.co.uk

TEST ONE

AUDIO QUALITY

Which pair of buds sound best?

> None of the earbuds in our test lack audio quality. The Audioflys offer crisp highs and controlled bass, with precise vocals around the midrange. Sony's brass buds isolate noise very well, enhancing their immersive and balanced soundstage – which especially impressed with jazz. The Klipsch present tight bass and controlled treble, making up for a lack of separation in the midrange, but at £79, some listeners may expect a little more oomph. The RHAs impress on almost every front though, bringing real depth to proceedings without a hint of imposition. Orchestral music is faultless across the low and midrange, with only a shade of

sibilance on the top end. The AKGs are almost as good, with resonant sub-bass that really shines on jazz funk tracks but can detract from less forward genres.

Vibe's BA11s stand out though, immediately exposing highly compressed tracks. Noise isolation is unparalleled and offers expansive, deep, rich tones, with clean separation across the spectrum.

TEST RESULTS

Audiofly AF56M	★★★★★
Sony MDR-EX650AP	★★★★★
Klipsch R6i	★★★★★
RHA MA750i	★★★★★
AKG K375	★★★★★
Vibe Brass BA11s	★★★★★

TEST TWO

ACCESSORIES

What extras come in the package?

> All the earbuds include carry cases and a range of spare tips. Audiofly offers a velvet-lined steel storage tin and four tip sets; Sony includes a nylon snap-shut pouch and the same number of tips. Klipsch also offers four tips, but the medium size have double flanges for better sound isolation. RHA crams in 10 tip sets in its premium-feel carry case: eight silicone (two double-flanged) and two foam pairs for superior noise isolation. In comparison, the Klipsch case feels a bit cheap and inferior. AKG includes three tip pairs in a fine hard carry pouch and Vibe pack two in a luxurious drawstring bag. The Audiofly buds have braided cables,

as do the well-made Vibes; Sony's brass buds get a coil-friendly cable coating, the RHA's cord is steel-reinforced at the ends and strong, but the AKG offering feels a bit lightweight overall.

Sony includes a cord adjuster to rein in cable length, RHA packs a clip (as does Klipsch) to securely affix cable to clothes, as well as a stainless steel tip holder.

TEST RESULTS

Audiofly AF56M	★★★★★
Sony MDR-EX650AP	★★★★★
Klipsch R6i	★★★★★
RHA MA750i	★★★★★
AKG K375	★★★★★
Vibe Brass BA11s	★★★★★

HOW WE TESTED | RANGE OF AUDIO

We put the earbuds through their sonic paces using both uncompressed and compressed tracks to compare listening experiences. Various music genres were used to cover the total frequency spectrum and account for different tastes, from Miles Davis to Aphex Twin. The Doors' *Roadhouse Blues* worked the bottom end as we listened to see if Robby Krieger's fingerstyle guitar playing was well distinguished from the subtle bass, laid down by rock, blues and country legend, Lonnie Mack.

Kate Bush, Foxes and Björk provided a range of vocal shifts, with mid-tones further explored

through the harmonies of Django Django and the vintage vocoders of *Random Access Memories* by electronic duo, Daft Punk.

Comfort was also a major factor in our earphone test. The inner ear is a sensitive area, and using buds for an extended period that don't conform to the contours of the ear canal are bound to irritate. So a good range of tips are important, as is a decent container to keep earphones and tips in. Inline controls were tested for positioning, range of functionality and ease of use, while manageable, ergonomic designs scored higher marks.

We checked the audio quality of the earbuds using a range of music genres, including Björk and The Doors.



**TEST THREE****INLINE FEATURES**

How good are the lead controls?

> The Audiofly buds include a single button on the cord that offers the standard iPod/iPhone compatible inline controls, so that you can accept and end calls, skip forward to the next track with two taps in quick succession and skip back to a previous track with three taps. There are no volume controls, though. The same goes for the Sony button remote, which feels oddly cheap and plasticky against its strong, serrated cord.

The Klipsch remote supports all the functions above but offers substantially separated volume controls as well, while the same can be said of the AKG and RHA buds, with the latter being easiest to

control in the dark thanks to its ergonomic, moulded design.

As noted, the Vibe earphones offer no inline controls at all, so there's no facility to change track or accept/decline a call without taking your iPhone or iPod out of your pocket, let alone change volume on the fly. This presents a particular challenge if your handset is tucked beneath coat and scarf in cold seasons.

TEST RESULTS

Audiofly AF56M	★★★★★
Sony MDR-EX650AP	★★★★★
Klipsch R6i	★★★★★
RHA MA750i	★★★★★
AKG K375	★★★★★
Vibe Brass BA11s	★★★★★

TEST FOUR**USABILITY**

Testing comfort and ease of use

> All of the earbuds we tested feel comfortable to wear when the tips have been changed to suit, especially the Vibe's memory foam ones, which mould so perfectly to the shape of the ear canal that you forget they're there. The Audiofly's earbuds separate the mic piece from the inline controls, so you don't have to hold up the remote stick to ensure clarity of conversation on a call. The nylon braided cable is prone to tangle though.

The Sony buds are comfortable, and there's a toggle to adjust the split of the cord, which is easy to manipulate despite the tangle-free coating. The Klipsch buds also have a toggle, but the cord is flat, doesn't

conform easily and can be a little loud in the ear.

The RHA buds have contoured, over-ear cable supports that hold the earpieces in position and ease the tug of the thick cord, although the inline remote is a tad high. The AKG lacks split toggles, but doesn't tangle easily. The lack of controls on the Vibe can grate if you're used to them being there.

TEST RESULTS

Audiofly AF56M	★★★★★
Sony MDR-EX650AP	★★★★★
Klipsch R6i	★★★★★
RHA MA750i	★★★★★
AKG K375	★★★★★
Vibe Brass BA11s	★★★★★

THE WINNER | RHA MA750i

With a price tag of £100 and lacking controls, Vibe's BA11S felt like a wildcard in our round-up, yet their handmade feel and standout sonic performance justified their inclusion. Ultimately though, the AVG K375's won out because they sound almost as good, ooze precision design and pack inline controls – and if you're anything like us, then you really miss controls like that at a quick grasp if you're used to them. If premium audio quality is paramount then the BA11S are for you, but AVG has produced an all-round sterling pair of earphones that are hard to criticise.

The AKG K375 offer expansive sound and comfort for just £75. The Audiofly and Sony buds impress with accurate definition – if you can live without volume controls, that is.

FINAL RESULTS

Audiofly AF56M	★★★★★
Sony MDR-EX650AP	★★★★★
Klipsch R6i	★★★★★
RHA MA750i	★★★★★
AKG K375	★★★★★
Vibe Brass BA11s	★★★★★



With the sound, design, looks and comfort, the RHA buds offer the complete package.

Thunderbolt 2 Express Dock HD

Belkin's second-gen Thunderbolt dock is smaller and faster all-round



£213 Manufacturer Belkin, belkin.com/uk

Ports (front) 1x USB 3.0 and 3.5mm combined audio input/output **Ports (back)** Gigabit Ethernet and 3.5mm audio output, 2x USB 3.0, 2x Thunderbolt 2, HDMI, power port **Includes** 1m Thunderbolt cable and external power supply



To connect two displays (if your Mac supports it), one will need a Thunderbolt connection.

► Thunderbolt docks enable you to connect multiple devices by plugging one cable into your Mac. This second model by Belkin looks similar to its first, but it's more compact and has enhancements, including Thunderbolt 2 ports (but no FireWire).

We tested transfer rates from an eight-disk storage array connected to a Mac, and then through the dock. They dropped by no more

than 34.8MB/sec. Even if you don't plan to buy such fast and expensive storage, the dock's Thunderbolt 2 ports enable a 4K display to be connected through it, provided your Mac supports the resolution.

Belkin's old dock limited USB performance to about 200MB/sec, but that isn't the case here. Our test SSD reached the same rates as older docks – but no faster, and the fastest SSDs still reached higher rates when

connected to a Mac. The dock works with older Thunderbolt ports, too – minus 4K support, but without slowdown in USB speeds. There's one USB port and a headphone/mic socket on the front, and a device can charge through the dock even when a Mac isn't connected.

However, other Thunderbolt 2 docks have been announced, so it might be worth waiting to see what's on offer. **Alan Stonebridge**



Big performance improvements over the old model, but still lacking some finesse for use with a MacBook.

+ Good USB 3.0 performance

+ Charges even Retina iPads

+ Supports one 4K display

- No quick eject for MacBooks

Misfit Flash

Misfit thinks it is possible to track your activity on a shoestring



£50 Manufacturer Misfit, misfit.com

Dimensions 28.5x8x28.5mm **Weight** 6g **Sync method** Bluetooth 4.1

► The wearables market has exploded, so it was only a matter of time before prices dropped. And £50 is all you'll pay for the Misfit Flash, a cheaper alternative to the aluminium Shine (£75). Both trackers pack the same features – tracking steps, calories burned, distance, sleep quality and duration – but the Flash is plastic and lacks the looks of its pricier cousin.

A series of LEDs run around the edge of the Flash disc and a finger-press on the face illuminates only so many lights as to indicate progress towards your goal. The lights also

display the time, but in an unintuitive manner, reminiscent of Tokyo Flash wristwatches. Holding down the face starts an activity timer and repeating the step stops it.

The Flash syncs with your iOS device over Bluetooth whenever you open the app, which is well designed and easy to grasp, and quantifies your activity and sleep in clear timelines and graphs. It also lets you tag activity periods, set and share goals, manually input weight changes and snap photos of meals.

The puck slips into a plain rubber wristband (supplied) or can be

The Flash offers activity tracking and has a decent app.



pocketed. Uniquely, it doesn't need charging: instead, it draws power from a coin cell battery that we're told lasts around 4-6 months before it needs replacing.

For newcomers to wearables, the Flash fits the bill: it's functional, inconspicuous and won't break the bank. But with Jawbone and FitBit both about to release new ranges, more active types should sit tight for now. **Tim Hardwick**



A cheap solution for activity and sleep tracking, but next-gen wearables are imminent.

+ Only fifty quid!

+ No charging necessary

+ Waterproof to 30 metres

- Not a great look on the wrist

X-mini CLEAR

It looks original and sounds fantastic, but is it worth £169?



£169 Manufacturer X-mini, x-mini.com

Dimensions 218x89.5x112mm **Connectivity** Bluetooth and NFC

Features 2x 40mm ceramic drivers, 1x 70mm active subwoofer

There was a time when Bluetooth speakers had poor sound and cost too much. But things have improved and prices are now more reasonable. So where does the CLEAR fit in?

It's a portable Bluetooth speaker that features three separate amplifiers, one for each of its two 40mm ceramic drivers and one for the internal 70mm subwoofer. Yes, it's a portable 2.1 system... and it's got flashy lights on it, too.

Sound quality is excellent. The combination of two full-range drivers and a subwoofer produce a more refined sound than the 2.0 speaker arrangement that you'll find in many other Bluetooth speakers. Bass is deep but smooth, without ever going over the top. Mid-range is wholesome and holds its own, while the

highs fizz and pop with crispness. It sounds good, then, but the size will always be a limitation – don't expect a big sound.

Pairing your device to the speaker is as simple as setting up any other Bluetooth connection. Once paired, your phone or tablet will remember the speaker and hook up to it automatically. There's also a 3.5mm line-in jack on the back for plugging straight into your device if you want to go wired, and the USB port will charge your phone even when running on battery power. Sadly, the NFC option for easy-pairing will go unused with Apple devices.

But the X-mini CLEAR is not without its

drawbacks. For a start, it's possibly twice the size of other popular speakers. It's heavy too – 920g – and for a speaker that costs the best part of £170, it's also lacking a bit of premium sheen. The transparent look has been done before, and while it can look great in the right environment – especially with its three-mode mood lighting settings – it's still made of plastic and thus lacks that stylish edge.

This brings the cost of the package into the spotlight. While most other Bluetooth speakers out there are 2.0 systems, there are some stunning products available for under £100. The right price seems to be around £80, making £169 hard to justify.

James Rivington



Sounds great for its size, but its plastic build and high asking price don't justify a strong recommendation.

+ Excellent sound

+ USB port for iPhone charging

- Quite expensive

- Colours are a bit of a novelty

The pulsating LEDs inside the X-mini CLEAR make it ideal for a one-man disco party!



TEAM TALK



If you like the design and the fancy lighting, this would probably look and sound grand in a bedroom setup. But frugal shoppers be aware, similar sound quality can be acquired from products that cost substantially less!

Creative Stylus 2

★★★☆☆

£65 Manufacturer Wacom, wacom.com

Works with iPad 3 or later, iPad mini or later **Pressure levels** 2048

Bamboo Stylus Fineline

★★★★☆

£50 Manufacturer Wacom, wacom.com

Works with iPad 3 or later, iPad mini or later **Pressure levels** 1024

Two new pens from the same company – which is right for you?

Wacom is synonymous with quality stylus and pen-tablet solutions, connecting computer users to their screens and, more recently, they've created desktop-class touchscreens with the Cintiq and Companion lines. The first Wacom pressure sensitive stylus for iOS – the Intuos Creative – was a revelation and quickly became, for many, a firm favourite.

Fast-forward two years and the company has released two sequels: the Fineline (for note makers) and the Creative 2 (for artists). So which one is best for your needs?

On paper (ahem) the obvious difference lies within the levels of sensitivity: the Fineline has 1024 and the Creative 2 has 2048. The tips of both styluses have shrunk to less than 3mm in size and are made of a

firm, rounded plastic material, and the battery is now built in and rechargeable (rather than the AAA battery of the original stylus).

The Fineline nib is a millimetre smaller than the Creative 2 (1.9mm

Wacom return with two styli aimed at different users; both are worthy of the name, but both could be better

and 2.9 mm respectively). The Fineline is slightly heavier, but that includes a protective cap, which the Creative 2 lacks. Both suffer from a Bluetooth pen-tilt issue that affects all thin nib styluses: angle from the left to the right and you'll see a moving offset in the line you draw.

The Wacom Creative 2 shows its pedigree but misses a best-in-class recommendation.

BAMBOO



The Wacom Fineline has a thinner tip and a more colourful personality.



The heavier rechargeable battery of both styluses shifts the balance towards the back of the pen. If you're drawing on a screen for a long time this is an issue, and, in this case, the Fineline is preferable. Both

have a rubber cap that shields the micro-USB recharge port; neither feels like the protective end will last the life of the pen. The Creative 2 has three buttons (the Fineline has one); the placement leaves little to be desired, and they never feel as reachable as their desktop siblings.

However, most concerning is the lack of out-of-box app support for both devices. At the time of writing, pressure-sensitive support for the Fineline and Creative 2 is patchy. Though the styluses will work with many apps in terms of connection, this limits their full usefulness.

And so, the winner, by a marginal amount, is the Fineline. We can't say the difference in pressure sensitive levels is hugely noticeable, but it's a better shape and weight, the protective cap allows you to pocket it and it doesn't feel like the cheaper device of the two options (though in actual fact, it is). Oh, and it comes in a range of colours! **Paul Kercal**

Creative Stylus 2

Mac
FORMAT
VERDICT

In some ways this is as good as you could hope for, however, it still misses the mark of what it could be.

- + Rests easily in the hand
- + Three buttons to speed work
- Buttons are poorly placed
- Currently limited app support

Bamboo Stylus Fineline

Mac
FORMAT
VERDICT

Currently one of the best styluses (although not without some hesitation). Given the choice, buy this.

- + Pen cap and colours
- + Better button placement
- + Works in Sketchbook/Bamboo
- Currently limited app support

CEOL Carino

This speaker set is packed with features, but does it justify its price?



£249 Manufacturer Denon, denon.com

Connections Bluetooth, USB, aux in, headphones out, subwoofer out

Frequency range 70 - 20000Hz **Rated Output** 25W per speaker

> This little speaker set is a nice set-up for Macs – it comprises of a couple of satellite stereo speakers and an amp/controller unit, which can connect to your Mac using USB or to just about any device using Bluetooth (including aptX for high-quality streaming from compatible devices, which are Macs in Apple's case).

It also comes with a few display options, pleasingly – the cube satellite speakers can sit on the desk, or they can be angled upwards using the provided stands, while the

amp unit's stand allows it to sit flat or upright, as a tower. The unit comes with touch-sensitive buttons for changing source and turning on its audio-processing options (one of which is great, one of which tends to drown out the mid-range), and a cool light-up ring for volume control.

The key thing is the sound, and while we like the CEOL Carino a fair bit, we're not sure it quite meets its price tag. Generally, it's potent and clear, especially with the best possible source (lossless audio over USB from a Mac). Bass is a

little on the flabby side from its twin speakers (there's a connection for an optional subwoofer if you need it), but it's still rich.

Overall, it's lacking detail, especially over Bluetooth, and we'd like to see more in the way of drama and punch, especially in the treble. As we said, we like it, and it's got a good feature selection, but we're not convinced it totally justifies its outlay.

Matt Bolton



Mac Format VERDICT A nice little speaker set with good connections and controls, but not quite the audio we'd like for the price.

+ Good features

+ Generally good audio...

- ...but not perfect

- Slightly too expensive

Angelbird SSD2go pocket 512GB

Billed as the fastest portable solid-state drive with TRIM support for Macs



£309 Manufacturer Angelbird, angelbird.com

Ports 1x USB 3.0 **Dimensions** 89x69.9x10.4mm **Weight** 90g **Size** Available in 128GB and 256GB capacities

> Austrian outfit Angelbird builds, tests and inspect its hardware by hand – and it shows. The pocket may not be as small or as light as some SSDs, but its anodised aluminium enclosure feels as if it could take a whack or two. It also plumps for a full-size USB 3.0 port as its solo connector.

Angelbird's main claim to fame is its drives' out-of-the-box Mac TRIM support (TRIM minimises the

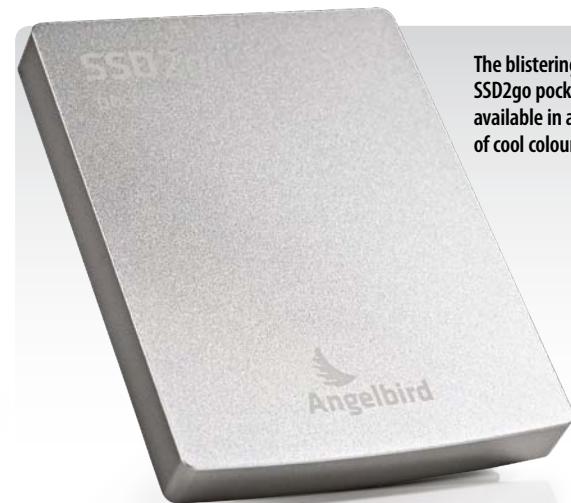
performance degradation over time of SSDs by optimising a drive's garbage collection process) – a system-level command only officially supported by Apple-branded SSDs.

Yet the pocket's performance fully supports this claim. Our sequential read speeds peaked at 440.1MB/sec and writes hit 385.4MB/sec, while averages for both hit 439.9MB/sec and 379.3MB/

sec respectively. Even in the sub-megabyte random transfer tests, the drive averaged 144.7MB/sec reads and 208.4MB/sec writes.

Those numbers are as fast as anything we've seen over USB – even Transcend's ESD400 has a tough time keeping up (*MF276*). The latter however is £100 cheaper, proving that in the realm of SSDs, first place still comes at a premium.

Tim Hardwick



The blisteringly fast SSD2go pocket is available in a range of cool colours.

Mac Format VERDICT Ridiculously fast and exceptionally designed, the SSD2go pocket more than makes up for its price tag.

+ Beautiful, rugged design

+ Blistering performance

+ Five-year warranty

- Not the cheapest



KOUBACHI PLANT SENSOR 2 PRO

★★★★★

£169 Manufacturer Koubachi, koubachi.com

1 We know it sounds a bit mad to have an expensive Wi-Fi-connected sensor jammed into the soil of your plants, but it's worth it. Pick the variety from an extensive catalogue and it will tell you on your iPhone when to water and fertilise it, and if it's getting enough light. And if that's all you need, you'd be as well to get Parrot's Bluetooth Flower Power (£47). This Pro version of the Koubachi Plant Sensor 2, though, has a powerful web portal for professional growers, letting you export raw data for further analysis, and set up custom alerts. **Christopher Phin**

NATIVE UNION NIGHT CABLE

★★★★★

£34 Manufacturer Native Union, nativeunion.com/eu

2 We all get annoyed at that moment when you unplug a cable, which was resting nicely on a table, only to see it flop to the floor. It's frustrating, and table clips can be quite an unsightly solution. However, with this Lightning cable you get a heavy knot that acts a weight to stay on your table even when you've ripped an iPhone or iPad from its grasp. The weight of an attached device could easily pull it off, but that's why the knot's adjustable along the 3m length. It works well but it's not that grippy on very shiny surfaces. **Christian Hall**

ATAMA SESAME 2

★★★★★

£39 Manufacturer Atama, atama.io

3 This key fob acts as a locking device for a Mac or MacBook. Just walk away with it and your Mac will lock at a defined distance and then unlock when you return. You can set two ranges for locking – whether there should be a time delay in locking your Mac and the method to unlock when you return. It works flawlessly (but is only for newer Macs with Bluetooth 4.0). Sesame can also suspend certain applications (using AppleScript), including pausing iTunes/Spotify and setting your Messenger/Skype status to 'Away'. **Christian Hall**

XSORIES WEYEFEYE S

★★★★★

£80 Manufacturer Xsories, xsories.co.uk/weye-feye-s.html

4 This is a Wi-Fi dongle that transfers images from your camera to your iOS device. It's also the size of a matchbox, has its own battery and connects via USB to most brands of camera. Hook your iOS device up to its 802.11n Wi-Fi, run the app and you'll be able to view and save images – as will 19 other people, thanks to its web server.

Connection is instant and the all-day battery will be useful for studio users, but the WeyeFeye doesn't add much an EyeFi card or built-in Wi-Fi can't do for occasional use.

Ian Evenden

Mac Format VERDICT Overkill for all but the most passionate home gardener, but potentially huge for professionals and researchers.

Mac Format VERDICT This is a cable with a clever weight option for keeping it safely on a side table, but perhaps it's a touch too heavy.

Mac Format VERDICT A very convenient security solution and easily configurable from the simple admin panel on your Mac.

Mac Format VERDICT There are cheaper ways to put Wi-Fi in your camera. The WeyeFeye is rugged and fast but best suited to pro use.

SUBSCRIBE

Get our digital edition!



Exclusive video tutorials, extra content, fully searchable and more!

Online myfavouritemagazines.co.uk/MACsubs

or search for 'MacFormat' on the App Store



Free trial subscription is for new subscribers only.
Interactive features are iPad only and not available on iPhone.
*First 2 issues free on the App Store and Google Play, only 1 free issue on Zinio

RapidWeaver 6.0.3

Is this website builder update enough for the modern web?



£55 Developer Realmac Software, realmacsoftware.com

OS X 10.10 or later, FTP space for publishing



RapidWeaver takes an old-school approach to web design, having you choose a theme, build pages on your Mac, and then publish the lot to the web. You can choose from 52 templates, five of which are new and 'responsive', which means they reconfigure the design to accommodate the viewports of tablets and smartphones. The new themes are quite swish, if not entirely robust when tested across a large range of browsers, and many of the older themes now feel creaky; however, themes can be tweaked, or created from scratch if you have coding skills, or bought in from elsewhere.

Paging up

Creating pages requires you choose from a number of pre-defined types and then use the in-context editing pane to add content. For the most part, this is intuitive and usable, for example giving you form labels and input types for a contact page, which RapidWeaver then stitches together behind the scenes. New to this version is a Markdown plug-in, making it quick to create structured text-oriented pages (assuming you

Markdown comes to RapidWeaver — it's worth getting to grips with for making text-oriented pages.

know Markdown, although there's a primer in a sidebar); in a sense, this is just as well, because the 'styled text' plug-in option fared poorly, leaving us with a mess.

Besides a general UI refresh that sees the app looking more smart and coherent, there have been other

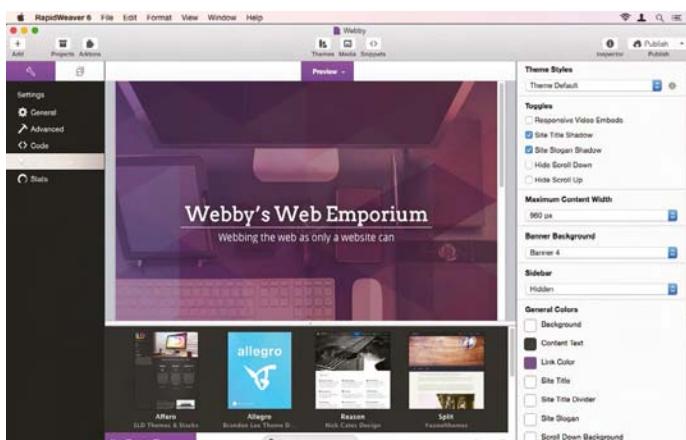
JavaScript makes it easy to add custom code, publishing is noticeably faster (as is the whole app), and the preview now gains presets for iOS devices. Previewing is still frustrating, however, forcing you to flip back and forth from edit to preview, rather than seeing both

Many of the older themes now feel slightly creaky; however, themes can be tweaked, or created from scratch

changes. A new add-on manager enables you to organise and locate installed themes and plug-ins, although you must still use a browser to find new ones. Site-wide code support for HTML, CSS and

simultaneously. And while we appreciate the new responsive previews, three options beyond desktop (iPad Landscape; iPad Portrait; iPhone) aren't enough, especially now there are three iPhone sizes on sale, which can be used in two orientations each.

There's plenty to like about RapidWeaver: it's a polished, friendly app that's a joy to use, and scratches any iWeb itch you might still have. But conversely it's not an app without shortcomings, especially regarding slideshows, styled text pages and multiple-device support. For the outlay, it's hard to recommend a product that looks archaic compared to free, extensible, easy-to-use blogging systems, such as WordPress, which are offered as a one-button install with many web hosts. **Craig Grannell**



You get five new themes, which rework themselves for the current browser viewport.



TEAM TALK



After the demise of Apple's iWeb, I've been looking for an easy alternative. You just need to select the page type, a theme and add your content to the project. All without writing even a single line of code, great!



A quite-nice update to a quite-nice app, but while we want to love it, we only like it, which isn't quite so nice...

+ Handy Markdown page option

+ Faster and nicer to use

- Preview system is sub-optimal

- Galleries are still unimpressive

Coda 2.5.1

Panic's coding tool's first update in two years: worth the wait?



\$99 (about £63) Developer Panic, panic.com

OS OS X 10.7.5 or later Requirements 64-bit Mac, FTP space for upload

This 2.5 version sees Coda remain a friendly, capable website coding environment, suitable for both professionals and amateurs alike, in terms of its feature set. Although not strictly a single-window app, it prefers this model, with you working in tabs that house documents, Terminals or database connections. Tabs can be split to simultaneously see multiple sections of a document or to house code in one part of the window while a live web preview is shown in another.

Panic says Coda 2.5 is faster and has a revamped UI, both of which were evident during testing, with OS X Yosemite getting a subtle, tasteful window transparency treatment. There are new features, too. New column guides prove effective when working with nested elements, and publishing now tracks external changes, which will be a relief for anyone using CSS pre-processors. There's a new plug-in manager that's basic but handy for juggling styles, modes and new sidebar plug-ins, all of which can be written in HTML.

The app introduces Panic Sync, a cloud-based service for syncing clips and server information across

Coda gets some new themes but also handy column guides, for working with nested elements.

devices and software. During testing, it worked flawlessly across Transmit iOS and Coda, but Transmit for OS X and Diet Coda for iPad were (at the time of writing) still waiting for updates to take advantage of this.

Other new features also feel like they've not reached their potential. Local file indexing now (optionally) goes through a site's local files, to

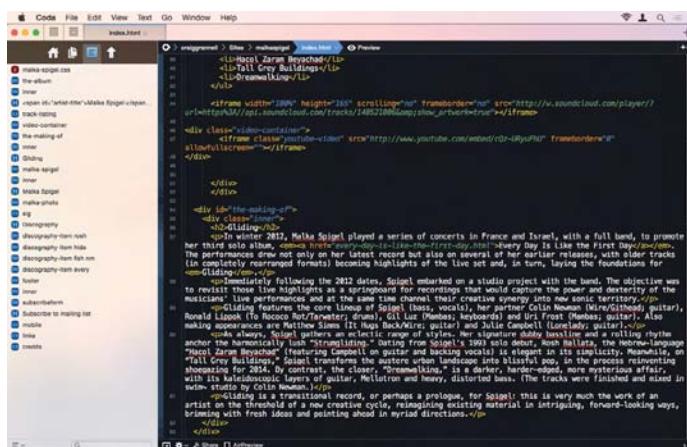
smarter autocomplete go wider, taking BBEdit's 'match anything' approach. Similarly, CSS overriding, while welcome, feels unfinished. It's designed so you can override a live site's CSS with a local edit, but Coda's implementation lacks rival Espresso's X-ray feature and awkwardly forces you to switch back and forth between CSS and live pages when

It introduces Panic Sync, a cloud-based service for syncing clips and server information across devices and software

provide site-wide autocomplete of functions, classes and variables; this worked great when editing JavaScript, but it'd be good to see

making edits; the CSS also 'detaches' from the web preview when moved to a new window. Preview issues should be gone in Coda 2.5.2, which will automatically launch overrides in a CSS/Preview split, but this all highlights Coda's clunky previewing, forcing per-document splits to be manually set-up. Here's hoping Coda 3 provides something cleaner, simpler and more efficient.

Still, Coda 2.5 is a free update. It's a no-brainer for existing users, but Mac App Store owners must perform a quick crossgrade to the direct-sale version, because Coda's now only available from Panic. For new users, it's still scrapping with the more efficient but less pleasurable to use BBEdit for the best app of its type on the platform. **Craig Grannell**



You can now override live CSS with a local file, although the system feels a bit raw.



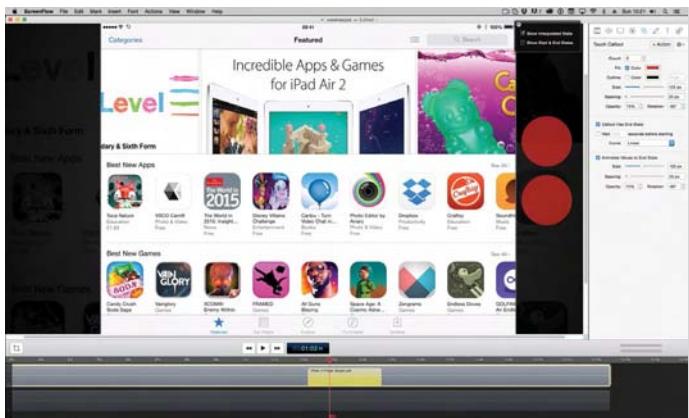
TEAM TALK



The column guides look like they'll make my coding life a lot easier. On the other hand, could this be a case of Panic lobbing new features at the faithful crowd before getting on with whatever Coda 3.0 becomes?

Mac Format A decent enough 'holding' update to what was already a strong app, but we're looking ahead now to Coda 3.

- ⊕ Improved interface and speed
- ⊕ Useful editor improvements
- ⊖ CSS override could be better
- ⊖ Previewing is still annoying



You can record and combine many different sources – audio, video, Mac, iOS and files

Screenflow 5

App recording made easy, for bloggers, developers and everyone else



£63 (\$99) Developer Telestream, telestream.net OS OS X 10.9+ or later

Requires iOS 8, 2GB RAM



Recording apps as they work is a task that feels like it should be straightforward, but it

can often be riddled with issues. Anyone who has recorded a session with QuickTime's free option only to end up with a silent file will know about this, as will those who have used an AirPlay-based method for snagging an iOS device's screen. Screenflow is a costly way to make it easy, but nonetheless it's powerful and supports both your Mac's screen and iOS devices attached over USB.

The recording is simple, but it's in the editing that Screenflow earns its price. While it's nowhere near as complicated a video editor as something like Premiere Elements, its tools are well chosen for the purpose. In Mac recordings, for instance, you can track and isolate the cursor with a spotlight. On iOS, it has no way of recording taps and swipes directly, so it provides a library of visual indicators for you to drag and drop onto the recording: zooms, two- and four-finger swipes – all the basics. You can then apply Actions to each video that zoom and rotate and apply effects to it, as well

as snapping back to the default settings as easily as creating a new reset action. Effects include adding 'shiny table' reflections, shadows, video filters and basic colour correction. You can also have multiple recordings on each canvas, to show off Mac/iOS interoperability, different versions, or whatever else, as well as drag in media such as background images, so the screen isn't taken up with your app. This allows for more than recording, giving the results lots of style with a professional-quality export.

For advanced editing, you should still consider Final Cut, but as an all-in-one app, they don't come better than Screenflow. **Richard Cobbett**

Mac FORMAT VERDICT *Screenflow 5 has everything you need to record Mac and iOS apps... except for the Mac and iOS device, of course.*

- ⊕ Excellent editing tools
- ⊕ Multiple simultaneous recordings
- ⊕ Effortless wired iOS recording
- ⊖ Clunky timeline controls

DELIVERIES FOR MAC

Track your packages (sometimes)



£2.99 Developer Junecloud, junecloud.com

OS OS X 10.10 Requires 64-bit processor



If you do a lot of online ordering, keeping on top of what's coming when can be a real pain in the neck – so we were excited at the prospect of Deliveries, which can track all your packages for you and even show you where they are. Wouldn't it be great to have an app that could scan your email, pull out the order details, let you know when your purchases would turn up, show where the truck is on a map and sync data with iOS too?

We're sure it would be, but sadly Deliveries is flawed. The list of supported UK services is

fairly small – it's a US app with support for US services – and you have to enter tracking numbers manually. We also encountered what appears to be a bad bug: on one of two test Macs we couldn't get the app to work properly. The "show details online" took us to the correct order page, but the app couldn't retrieve any order data. When Deliveries works it's quite clever. When it doesn't, it's useless. **Gary Marshall**



Deliveries looks nice, but we encountered problems persuading the app to – ahem – deliver.

GUARDIAN ANGEL

Use an iPhone to lock your Mac



£2.49 Developer Ingenious Bytes Ltd, ingeniousbytes.com

OS 10.8 or later Requires 64-bit processor



We all look for convenient ways to keep our Macs secure when we're away from them, and this app uses your iPhone as a tool to lock and unlock a Mac. It's much like the Atama Sesame 2 wireless proximity lock we've already looked at in this issue (page 94), just without the extra piece of hardware to keep in your pocket. For anyone with an iPhone and a Mac, Guardian Angel seems like the better solution. Plus, it's way cheaper.

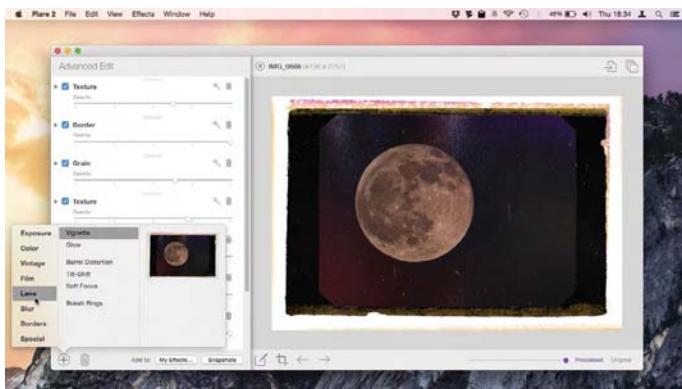
When running Guardian Angel for the first time you can choose the lock range (much like Sesame), but the range

map is a bit hit and miss, with your Bluetooth device (iPhone) jumping around struggling to be pinpointed. Forgot your phone? Well, your master password will get around that problem. The options to tweak are plentiful, but also a little overblown for something that's supposed to be mostly free of admin. Still, it works without any hiccups and is a very inexpensive proximity solution.

Christian Hall



A useful app, using your existing devices, but a few niggles prevent it from being the best solution.



Advanced Edit lets you tinker with applied effects and create your own through Snapshots.

Flare 2

Add effects to your photos quickly and simply, and create your own



£10.49 Developer The Iconfactory, iconfactory.com

OS OS X 10.10 or later Requires 64-bit processor



Apps that apply effects to your pictures are getting rather common in today's

marketplace. Some are even free, and the struggle to stand out is tougher than ever. What Flare offers is a variety of built-in effects plus the ability to create your own, some film simulation settings and iCloud awareness to sync custom settings to a free iOS app or other Macs.

Flare will open JPEGs or raw images and allows you to choose effects from a selection of 36 – including frames, monochrome, light leaks and some weirder ones – before tweaking the result to your liking and sharing to social media. Your new effects can be saved and effects applied to multiple images.

Unfortunately, the app can be a little obtuse. Who would know that the icon of three squares at the top-right, next to the box-and-arrow icon that's surely Share (it's Export, Share is on the File menu) would open up the Effects palette without being told? It's not labelled. The button to manually edit an effect is at the bottom-left, and the editing sliders open at the left, closing the Effects palette on the right and sliding the entire image across.

Keyboard shortcuts will flip between them, but there's no Photoshop-like toolbar, and the implementation of Snapshots is clever but counterintuitive.

A button pressed in the Edit palette adds a snapshot of the current image to part of the Effects palette, which is hidden, from where it can be saved or deleted after you've finished working.

Happily, the app will walk you through its functions on launch, if you want it to.

Flare has a broad range of filters on offer; some of them very fine looking, and the ability to use them as a starting point and create your own effects is a powerful one. If, that is, you can get to grips with the interface. *Ian Evenden*

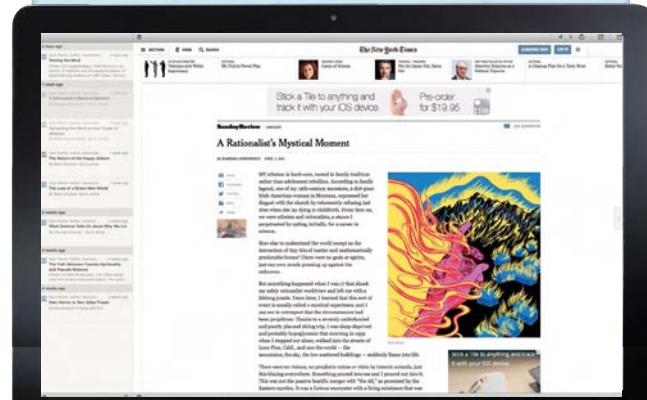
Mac Format VERDICT *Flare 2 is a decent image-filtering app, but it's let down by an interface that's tricky to get the hang of. Adequate.*

- + Good image quality
- + Broad range of effects
- + Syncs through iCloud
- Opaque interface

We're still loving...

READKIT 2.4

ReadKit is still part of Christian's life and no other app comes close



I don't have much time to be scouring the web, so RSS is still a thing for me, and news aggregation (à la Flipboard) doesn't always get what I want. Google Reader was my number one app, but since its demise, few apps have hit the mark. ReadKit however, stays faithful to classic RSS aggregation and also pulls in data from the key 'read later' services such as Pocket, Feedly, Readability, Instapaper, Delicious and more. If you use any of those services, then take it from me, you'll soon just be using ReadKit, instead.

ReadKit also keeps separate preference profiles for each account (even multiple accounts within the same service) so you can group or sort feeds differently to those pulled in from 'read later' services.

The interface is instantly familiar and, crucially, not overblown. It's all about getting the right articles in front of your eyes as quickly as possible. Clever features such as Focus mode (removing other interface elements from your view) make reading on my Mac a pleasure. Navigation is super-easy thanks to keyboard shortcuts that let you jump from article to sidebar, and collapse and expand folders quickly.

The real beauty of ReadKit is that it provides so much functionality while looking so clean; it needs no explanation to newcomers. I love it, and if you're short on time for reading, I know you'll love it, too.

Desk

Minimalist desktop publishing comes to the Mac – but is it worth £21?



\$21 Developer yo gg llc, desk.pm

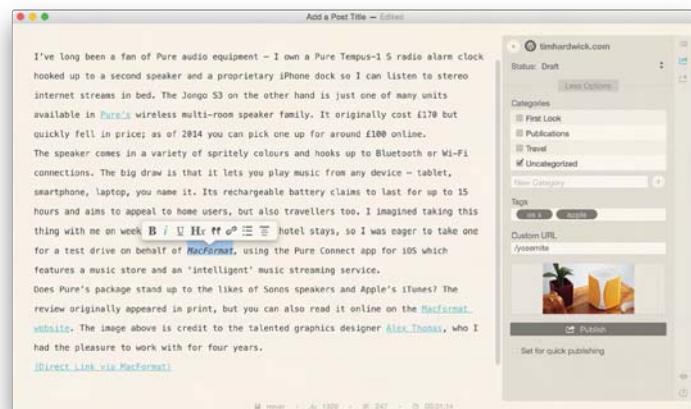
OS OS X 10.9 or later Requires 64-bit processor, 9.9MB disk space



Blogo 2 attempted to bring one-click blogging to OS X (MF279), but its feature-rich interface got a bit busy – and a bit buggy in the process. Desk takes a different tack by streamlining its feature set and putting the focus squarely on the act of writing.

Blending a minimalist interface aped from iA Writer with broad one-click publishing support, Desk enables Wordpress, Tumblr, Movable Type, Typepad, Facebook, and even Squarespace blog writers to post their thoughts instantly.

The editing window is a pared-down set-up, with fading borders and updated reading time, character and word counts as you type. Its baked-in blog tools are slick, too: you can hyperlink text, style fonts, embed video, and drag-and-drop images into the editing window to resize and align on the fly, thanks to Desk's context-sensitive right-click menus. These WYSIWYG features work well with Markdown, so writers can freely mix up the two. Choose a publishing platform from the vertical menu bar and you soon have access to published posts, draft previews and



Desk makes light work of desktop blogging with minimum fuss.

platform-specific options, like Wordpress categories, tags, slugs, and featured images.

Desk is highly polished and a versatile writing workspace, and its iCloud integration, Day/Night modes and document export options put it on par with most minimalist writing apps. It's not cheap though, so if you only write, try iA Writer. But if you blog, use Desk. **Tim Hardwick**



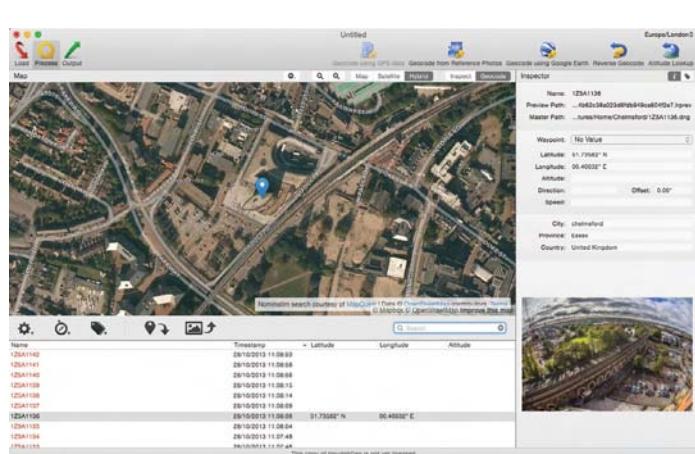
Desk is a deftly designed desktop publishing client with wide support for bloggers. Recommended.

+ Elegant interface

+ Wide blog support

+ One-click publishing

- Pricey if you never publish



HoudahGEO 4

Build a better photo library by plotting your shots on the map



\$29 (£18) Developer Houdah Software, houdah.com

OS OS X 10.8 or later Processes JPEG or RAW Works with Lightroom, Aperture



Photos snapped with an iPhone are Geotagged, with the phone writing its location into the file so that apps like Lightroom and iPhoto (and sharing sites like Flickr) can plot it on a map. Many cameras do the same, but not all of them. The process uses GPS, but if your camera doesn't sport this feature, HoudahGEO plugs the gap.

Download and import your shots and you can use Google Maps or its own internal map to specify where they were taken, zooming in to street level for best results and

providing supplementary plain-English placenames if you choose.

So far, so simple, but it gets really clever when you start to automate things. Import a track of waypoints – a list of where you've been and when, recorded using an iOS app or a dedicated GPS device – and HoudahGEO matches up the timestamps on each photo with positions on the track. So, if it sees that a picture was taken at 3pm it can look at the track, see where you were at that time, take the coordinates from the track and apply them to the photo.

Tag multiple images at once or automate the process by importing waypoints.

You can correct the photos' timestamps if your camera clock is wrong and upload the results directly to Flickr and Evernote, or export them for use in iPhoto, Aperture or Lightroom. Logging your photos this way makes them easier to cross-reference, because you can quickly find the same location shot across multiple sessions on a single map. **Nik Rawlinson**



It's the quickest, easiest way to accurately geotag your photos without the cost of a camera upgrade.

+ Easy to get accurate plots

+ Whole process is automated

+ Supports RAW files and JPEG

+ Direct uploads to sharing sites



LEGO BATMAN 3

BEYOND GOTHAM



OUT NOW FOR MAC

WWW.FERALINTERACTIVE.COM

7

www.pegi.info

LEGO BATMAN 3: BEYOND GOTHAM software © 2014 TT Games Ltd. Produced by TT Games under license from the LEGO Group. LEGO, the LEGO logo, the Brick and the Knob configurations and the Minifigure are trademarks of the LEGO Group. © 2014 The LEGO Group. All other trademarks and copyrights are the property of their respective owners. All rights reserved. Published on the Mac by Feral Interactive Ltd. Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries. Feral and the Feral logo are trademarks of Feral Interactive Ltd.



Batman and all related characters and elements are trademarks of DC Comics © 2014. All Rights Reserved.
WB GAMES LOGO, WB SHIELD:™ & © Warner Bros. Entertainment Inc. (j14)



DC
COMICS™
T3
games



WB
GAMES™



FERAL
MAKE YOUR PLAY

Borderlands: The Pre-Sequel

Is this game a must-have on your Mac?



£29.99 Developer 2K Australia/Gearbox, borderlandsthegame.com

OS OS X 10.9.2 Requirements 2.4GHz Processor, 4GB RAM, 256MB VRAM



A modern franchise with a fervent following, Borderlands is back with a third instalment. And this time the narrative is rewinded and new characters and a gravity-defying moon environment are introduced.

If this is your first experience with Borderlands you will probably be confused, as this game feels like a standalone expansion for existing fans. However, the first-person shooter mechanics are reliable enough, with a barrage of weaponry

and loot to pilfer. Everything is larger than life and typically bombastic, the bright visuals backed up with witty scripts and voice acting. Progress is linear with plenty of mini-quests bolted on. But, there's repetitiveness over the level design and enemies, which may grate.

Although performance excels on OS X, there are moments where the game doesn't consider the player – suddenly initiating attacks while engaged in NPC dialogue, being a prime example. Regardless of such negativity, publisher Aspyr should be



The story bridges the gap between Borderlands and Borderlands 2.

applauded for a day-one Mac release. Sadly, though, this is a gaming experience that feels out of time.

The bottom line is it's a solid, entertaining shooter that extends the formula for fans but feels somewhat out of sync with the series and genre. **Matt Bolton**



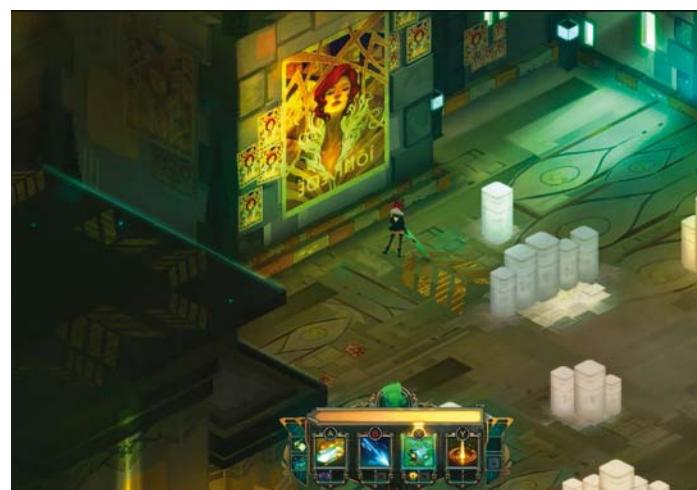
Great performance on the Mac is somewhat marred by repetitive levels and an old-fashioned vibe.

⊕ Day-one release to Mac

⊕ Looks great, performs well

⊖ Game Center co-op play only

⊖ Quests feel repetitive



The atmospheric isometric cyber city is softened with colour and light.

use it again, so you might pass that time evading enemies with a dash called Jaunt upgraded with Load to leave damage in its wake.

There's so much to unlock and try that the new game plus option is a must. Even without that, it's worth it just for the music, complete with songs by Red. **Jordan Erica Webber**

Transistor

A story told by the weapon that gets you through it...



£14.99 Developer Supergiant Games, supergiants.com

OS OS X 10.7.5 or later Requirements 2.6GHz Dual Core CPU, 4GB RAM



Transistor creates excellence with a series of short fights and a single voice narrating. You walk through a cyber city as the character of Red.

Environmental storytelling is minimal but effective, and cut scenes are beautiful but few. The bulk of the story comes from the narration of Red's sword (which ranges from funny to emotive). Plot details, although light, hint at a deeper meaning, letting you fill in the blanks. But what pulls you through is the combat, in brief but

satisfying encounters with robots. Red's skill set is customisable. Levelling up unlocks moves and new ways to use them. Access points let you choose which moves to take into the next area, with four slots for main attacks, each with two upgrade slots, and four slots for passive effects. Each move has a different effect in different slots, as well as a numerical memory cost.

Testing combinations is engrossing. An ability called Turn lets you pause the action and line up a few moves to carry out at speed, but it has to regenerate before you can



Beautifully presented, both visually and aurally, with layered narrative and combat.

⊕ Deep combat

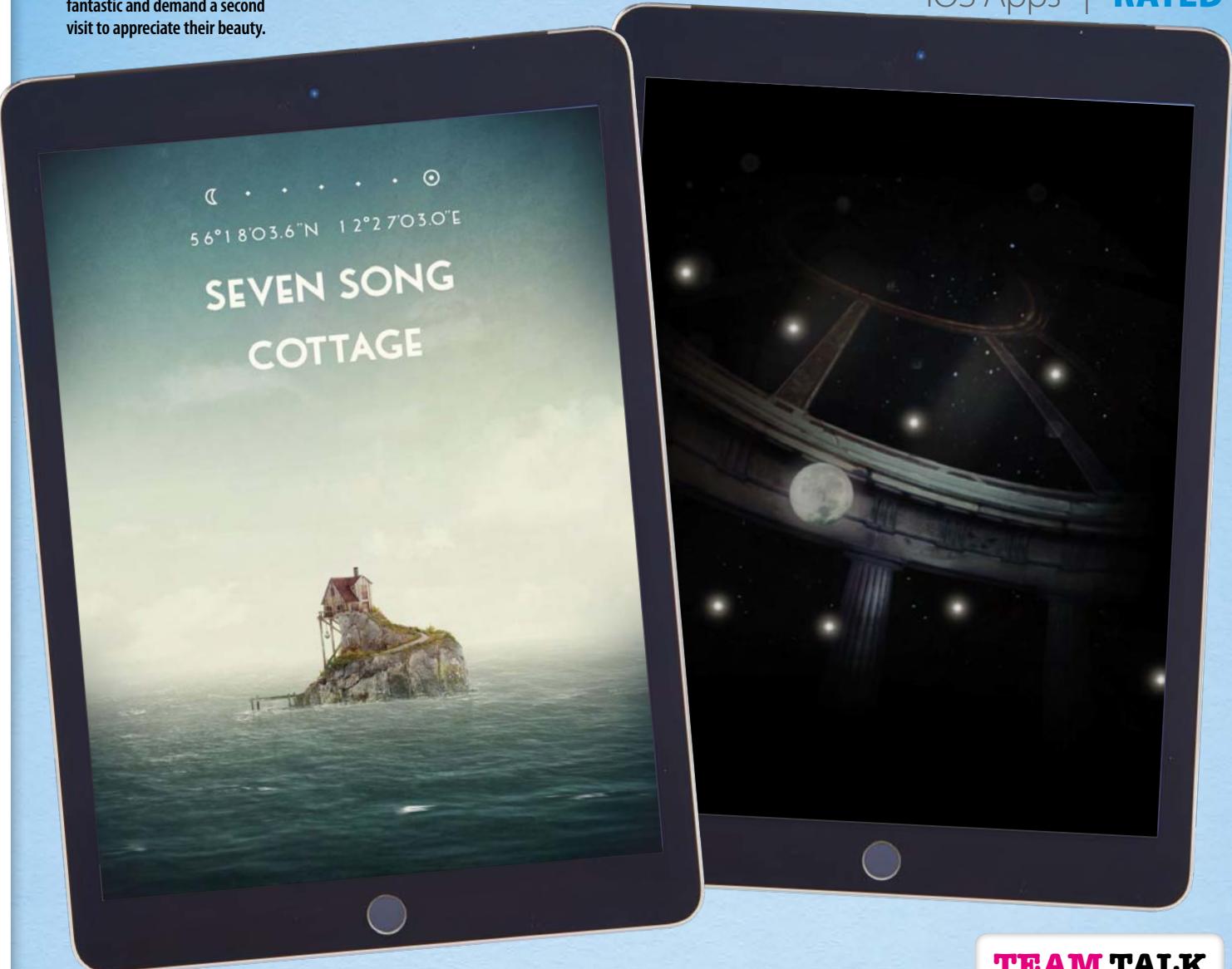
⊕ Skilled voice acting

⊕ A brilliant soundtrack

⊖ Told little about the gameworld

Many of the locations look fantastic and demand a second visit to appreciate their beauty.

iOS Apps | RATED



The Sailor's Dream

A strange, slow-moving story of sadness and the sea



£2.99 Developer: Simogo, simogo.com

Works with iPhone, iPod touch, iPad, Version 1.1 Age 12+



Something between an old-school adventure and a picture book, this is a game of gentle exploration and gradual discovery, impressively presented and peppered with subtle touches.

It's a slightly abstract and appropriately dream-like experience that has you slowly uncovering fragments of a wistful and sometimes tragic story. Swiping takes you from location to location,

through a wrecked ship or an abandoned lighthouse, most of which are presented as still or slowly moving images. Some of these dioramas contain details that reveal another piece of the puzzle, others can be toyed with in some simple way. A passing moon can be caught; a row of hanging lights rewards your attention with gleeful chimes. Distant whispers and mournful tunes follow you on your travels, giving a sense of something supernatural.

This is a story already written, one the player cannot change, and revealing all its secrets requires waiting for time-dependent events. Hourly broadcasts and daily songs add to the narrative, as well as being more entertaining than the comparatively prosaic paragraphs of text that tell the rest of this tale.

Perhaps, then, more an experience than a game, The Sailor's Dream isn't about choices or action, but gradually drinking in an atmosphere. While some players will want more interaction here, there's no denying that this is a curious and often very beautiful creation.

Paul Dean

TEAM TALK



Simogo's earlier effort, Device 6, was a thrilling tale. The Sailor's Dream is a slower (albeit beautiful) affair, with less structure and less direction. Yes, the real-time events stretched the game out – but I found this frustrating!



Slow and perhaps an acquired taste, The Sailor's Dream is nevertheless a beautifully-presented labour of love.

⊕ Impressive graphics and music

⊕ Subtle and gradual

⊖ Lacking in choices or challenges

⊖ Not for the impatient



It's fun, with lots of entertaining banter to keep you amused, but it's over too soon.

Space Age

Infinity is just a quick tap away



£2.99 Developer Big Bucket spaceageapp.com

Works with iPhone, iPod touch, iPad Version 1.0



Ah, 1960s science fiction: when a goldfish bowl on your head was all anyone needed to stay healthy in space. Space Age is all about that simpler time... despite claiming to be in the style of 90s graphic adventure titles.

Tasked with exploring a planet, fighting a few baddies, and solving a clue or two, this isn't a tough game, and only takes a handful of hours to polish off. It's a big fan of death-and-restart, especially in its stealth sections, and has controls that make jumping between characters and giving orders in tight spots far more irritating than they should be. The fact that these frustrations are short-lived doesn't

stop them being annoying, especially when there isn't much more to most of the rest of the game than walking to cue some endearing chatter.

Put up with that, though, and Space Age makes up what it lacks in challenge with great charm, bolstered by an excellent soundtrack and enjoyable pace. It's a fun adventure, though one that could have learned more from those it claims to emulate. **Richard Cobbett**

Mac Format Verdict *This is not exactly a deep space adventure, but it's definitely an enjoyable casual fling in the stars.*



Inbox by Gmail

Get on better with your emails



Free Developer Google Inc, google.com

Works with iPhone, iPod touch Version 1.0.3



Inbox by Gmail is a new iPhone app with a familiar interface that delivers a few twists. In addition to email, the app takes care of reminders, and allows users to search or snooze data.

Bundles consolidate similar messages, so users can act upon everything with a single tap or swipe, while retaining the option to open individual emails. Another feature called Highlights extracts the most important details, without having to open the email. Results were varied, but photo attachments worked well.

Inbox manages to perform its magic without disrupting the traditional IMAP folder arrangement used by Apple Mail and other clients. We found Inbox more intuitive to use than the basic Gmail app, but neither is currently capable of managing other types of email accounts, sadly; the lack of native iPad support is also a disappointment.

J.R. Bookwalter

Mac Format Verdict *Makes short work of unruly inboxes without making a mess of IMAP mail folders in the process.*

Timeful

Get organised... for free



Free Developer Timeful Inc, timeful.com

Works with iPhone, iPod touch Version 1.4



In addition to events and to-do items, this free app also encourages good habits, helping you find time for personal goals, such as exercise.

The UI is clean and focused primarily on the day ahead, but month and list views are also available. One of our favourite aspects of Timeful is the ability to drag and drop items, which applies to existing entries, as well as all-day events perched atop the Today view. This kind of simple feature makes managing the day far more fluid than other apps.

Timeful also has a few tricks up its sleeve, with the ability to sideline less important events to make room for what matters most.

Users should give this app a few weeks so it can adapt itself to your schedule, but otherwise our only real complaint is the lack of support for iOS Reminders tasks and the iPad.

J.R. Bookwalter



Timeful walks the tightrope between calendar and to-do app with a lot of grace and style.

Pixelmator for iPad

This layers-based, Photoshop-friendly editing tool really shines



£2.99 Developer Pixelmator Team, pixelmator.com/ipad

Works with iPad Version 1.0.1 Age 4+



Pixelmator for Mac has long played second fiddle to Photoshop. With layers support and comprehensive collage and drawing tools, it's a far cheaper (but almost as capable) editing tool. The same is true on the iPad, where it's set to challenge Photoshop Touch.

Its photo retouching tools rely on dragging control points around the screen. So, to tweak the saturation or sharpness canvas-wide, you need to drag a spot round a circle. Apply a light leak or Bokeh effect and you work with two spots – one to position the effect and the other to handle both angle and reach. All of the canvas controls work this way. You can also paint in more focused adjustments using a retouch brush.

Make it your own

You can build up your work using layers, which come into their own when you're compositing elements from multiple images or using the paint tools for freehand drawing. You can't add an effect to an empty layer, so unless you want to apply them

The Pixelmator interface is greatly influenced by Apple's iWork apps and feels immediately familiar.

directly to your work-in-progress and rely on the undo controls if you get things wrong, you'll have to create new colour-filled layers and screen out the background.

New layers can be blank, filled with a pattern, or adopt clipboard

the smart masking tool in iWork, so the more you drag across a colour, the more of its associated tones are selected. Rather than mask immediately as iWork does, Pixelmator selects the highlighted range so you can edit or delete.

With nods towards iWork, this couldn't have been any more Apple-esque unless Jony Ive actually designed it himself

contents. You can also use them to add text, graphics and shots from Photos. As well as the lasso and marquee, there's a magic wand that selects colours in the same way as

This app sidesteps cramming controls onto drop-down menus, swapping out the editor view for full-screen menus with huge outline graphics and with brushes that are generous stripes, so you can see what they do. We'd like to see these screens go further, though, with the tool previews also simulating the current size setting: it's tricky to work out how fat a stripe is when picking from a 'small', 'medium' and so on, or from a slider that sets the size in percentage rather than pixels.

It works with iCloud Drive so you can share over its OS X counterpart, and has 38 templates for posters, collages, cards and so on. These are downloaded the first time you use them, so they're out of reach if you don't have a Wi-Fi or 3G connection. In that case, you'll have to start with the landscape or portrait blank pages, or an empty canvas of your own sizing. **Nik Rawlinson**



Layer support (with opacity and blend control) make Pixelmator a powerful editing tool.

TEAM TALK



This is a great option for editing on the go – ideal when there's a tight deadline and you commute to work. I'm amazed an app this cheap can do so much – it's now my go-to app for work and play. And I can save to iCloud!

Mac FORMAT VERDICT At £2.99, Pixelmator is an absolute steal, and a really great choice for iPad photo-editing on a budget.

- + Support for multiple layers
- + Open and save Photoshop files
- + Familiar Apple-esque interface
- A few gaps in the interface

EDITORIAL

EDITOR Christian Hall
christian@macformat.com

MANAGING ART EDITOR Paul Blachford
paul@macformat.com

COMMISSIONING EDITOR Matt Bolton
matt@macformat.com

DIGITAL ART EDITOR Seth Singh
seth@macformat.com

PRODUCTION EDITOR Tom Harrod
tom@macformat.com

CONTRIBUTORS

EDITORIAL: Alex Blake, Mark Billen, Clem Chambers, Richard Cobbett, Paul Dean, Jonny Evans, Ian Evenden, Craig Grannell, Tim Hardwick, Rosie Hattersley, Kenny Hemphill, Hollin Jones, Paul Kercal, Gary Marshall, Christopher Phin, Nik Rawlinson, James Rivington, Davina Rungasamy, Alan Stonebridge, Luis Villazon, Jordan Erica Webber

ART: Apple, Future Photography Studio (Neil Godwin, Simon Lees, Jesse Wild), Magic Torch, Elly Walton

MANAGEMENT

HEAD OF CONTENT & MARKETING, TECHNOLOGY Nick Merritt
 GROUP EDITOR-IN-CHIEF Paul Newman
 GROUP ART DIRECTOR Steve Gotobed

ADVERTISING

DIRECTOR OF ADVERTISING SALES James Ranson
 ADVERTISING DIRECTOR Stuart Staves

ADVERTISING SALES MANAGER Sasha McGregor sasha.mcgregor@futurenet.com
 DEPUTY ADVERTISING SALES MANAGER Mike Pyatt michael.pyatt@futurenet.com
 ACCOUNT SALES MANAGER Andrew Tilbury andrew.tilbury@futurenet.com

PRINT & PRODUCTION

PRODUCTION CONTROLLER Frances Twentyman frances.twentyman@futurenet.com
 PRODUCTION MANAGER Mark Constance mark.constance@futurenet.com
 HEAD OF PRODUCTION Robert Dark robert.dark@futurenet.com

LICENSING

LICENSING & SYNDICATION DIRECTOR Regina Erak
regina.erak@futurenet.com Tel +44 (0)1225 442244 Fax +44 (0)1225 732275

FUTURE PUBLISHING LIMITED

CONTENT & MARKETING DIRECTOR Nial Ferguson
 CHIEF EXECUTIVE Zillah Byng-Maddick

PRINT SUBSCRIPTIONS

Tel 0844 848 2852 Web myfavouritemagazines.co.uk
 Email macformat@myfavouritemagazines.co.uk

NEXT ISSUE ON SALE Thursday 22 January 2015

PRINTED IN THE UK BY William Gibbons

DISTRIBUTED IN THE UK BY Seymour Distribution Ltd, 2 East Poultry Avenue, London, EC1A 9PT Tel 020 7429 4000

If you would like to purchase the images featured in this publication, please visit
www.futuremediastore.com or email mediastore@futurenet.com

{ Want to work for Future?
 Visit www.futurenet.com/jobs }



Print 15,099
 Digital 8,037

Future

Future is an award-winning international media group and leading digital business. We reach more than 49 million international consumers a month and create world-class content and advertising solutions for passionate consumers online, on tablet & smartphone and in print.

Future plc is a public company quoted on the London Stock Exchange (symbol: FLTR).
www.futureplc.com

Chief executive Zillah Byng-Maddick
 Non-executive chairman Peter Allen
 Chief financial officer Richard Haley
 Tel +44 (0)207 042 4000 (London)
 Tel +44 (0)1225 442 244 (Bath)

The ABC combined print and digital circulation for Jan-Dec 2013 is

23,136

A member of the Audited Bureau of Circulations



We are committed to only using magazine paper which is derived from well managed, certified forestry and chlorine-free manufacture. Future Publishing and its paper suppliers have been independently certified in accordance with the rules of the FSC (Forest Stewardship Council).



When you have finished with this magazine please recycle it.



UPGRADE!

The ultimate guide to buying a Mac, iPad and iPhone

SPOTLIGHT

The Apple kit we're most excited about



The iPad Air 2 really wowed us in October. It's not so much that it's a radical change, but rather it tweaks all the little niggles with the original Air to bring us the near-perfect tablet. Apple will find ways to push the processors further and increase the battery life, but there's not much else to change. The Air 2 is incredibly light, has an amazing new anti-reflective screen and has the kind of cameras we've come to expect from the top-end iPhones. Go get one!

Thin and fast

The iPad Air 2 is the best tablet in the world, no question. It's a shame the new mini didn't get the same love from Apple.



Not a radical update, but simply a great tablet

CHOOSE AN iPad

iPad

DAYS SINCE REFRESH

56

UPDATE LIKELY?

Recently updated

BUY OR WAIT?

Buy now

The annual iPad refresh brought us the thinnest, lightest and most powerful iPad yet in the iPad Air 2. Its A8X processor has a 40% speed boost over 2013's iPad Air.

Touch ID finally makes an appearance too, bringing the iPad into line with the iPhones on that score. A new gold colour option also makes an appearance, but 32GB options have been ditched across the range apart from the iPad Air and iPad mini 2 (iPad mini with Retina display), which have both 32GB and 16GB options.

The Days Since Refresh box shows you when an Apple product was last updated at the time we went to press, and whether it's safe to buy now or wait. Please remember this advice is just our best guess – Apple can update any product line at any time.

Model	Key specifications	Price
iPad mini 16GB Wi-Fi (add £100 for 3G)	Resolution: 1024x768 pixels Processor: Dual-core A5 Video recording: 1080p HD	Wi-Fi: £199 Wi-Fi+3G: £299
iPad mini 2 16GB Wi-Fi (add £100 for 4G)	Resolution: 2048x1536 pixels Processor: 64-bit A7+M7 Video recording: 1080p HD	16GB: £239 32GB: £279
iPad mini 3 16GB Wi-Fi (add £100 for 4G)	Resolution: 2048x1536 pixels Processor: 64-bit A7+M7 Video recording: 1080p HD	16GB: £319 64GB: £399 128GB: £479
iPad Air Wi-Fi (add £100 for 4G)	Resolution: 2048x1536 pixels Processor: 64-bit A7+M7 Video recording: 1080p HD	16GB: £319 32GB: £359
iPad Air 2 Wi-Fi (add £100 for 4G)	Resolution: 2048x1536 pixels Processor: 64-bit A8X+M8 Video recording: 1080p HD	16GB: £399 64GB: £479 128GB: £599

R = Retina display



MacBook Pro

DAYS SINCE REFRESH

138

UPDATE LIKELY?

Recently updated

BUY OR WAIT?

Buy now

► Last summer, Apple gave the Retina MacBook Pros a minor refresh. All models got a 0.2GHz speed increase and a price cut of between £50 and £200; the entry-level notebooks in each screen size enjoyed a memory increase, too. Since the October 2013 refresh, most MacBook Pros have all offered a Retina screen, Thunderbolt 2, SSDs and a lightweight chassis, though the £899 non-Retina model persists.

The power saving afforded by the new fourth-generation Intel Core i5 and Core i7 processors introduced in October gave the Retina MacBook Pros

a battery life boost. The 13-inch model now lasts for nine hours, and the 15-inch notebooks for eight hours, both up from seven.

CHOOSE A MACBOOK PRO

Model	Key Specifications	Price
13" 2.5GHz dual-core i5	Graphics: Intel HD Graphics 4000 Hard drive: 500GB RAM: 4GB	£899
13" 2.6GHz dual-core i5	Graphics: Intel Iris Graphics Solid State Drive: 128GB RAM: 8GB	£999
13" 2.6GHz dual-core i5	Graphics: Intel Iris Graphics Solid State Drive: 256GB RAM: 8GB	£1,199
13" 2.8GHz dual-core i5	Graphics: Intel Iris Graphics Solid State Drive: 512GB RAM: 8GB	£1,399
15" 2.2GHz quad-core i7	Graphics: Intel Iris Pro Graphics Solid State Drive: 256GB RAM: 16GB	£1,599
15" 2.5GHz quad-core i7	Graphics: GeForce GT 750M Solid State Drive: 512GB RAM: 16GB	£1,999

R = Retina display



Mac mini

DAYS SINCE REFRESH

54

UPDATE LIKELY?

Recently updated

BUY OR WAIT?

Buy now

► The smallest Mac in Apple's range finally got a long awaited update in October. It's a welcome update, but there's been a few odd choices in the components as well. Starting a new lower price of £399 (£100 cheaper than the previous model), it's still the same shape as before, but with some more modern internals.

It starts with a 1.4GHz Intel Core i5 dual-core processor with Intel HD 5000 graphics, 4GB of RAM and a 500GB hard drive – pretty much the lowest-end iMac without a screen. It's the same kind of power as you get in a

MacBook Air, but without the zippiness of flash memory.

Higher end models bring Intel Iris graphics and the option for a Fusion Drive hybrid storage system, though every option limits you to dual-core processors – the quad-core option is sadly absent. When stepping up to the high-end model (£150 more than the previous model), you get a 2.8GHz Core i5, 8GB of RAM, Intel Iris and a 1TB Fusion Drive, offering more headroom for tasks such as video-editing, but it still needs to be accepted that they aren't the powerhouses of some other Macs.

CHOOSE A MAC MINI

Model	Key specifications	Price
1.4GHz dual-core Intel Core i5	Hard drive: 500GB RAM: 4GB 1600MHz LPDDR3 Graphics: Intel HD Graphics 5000	£399
2.6GHz dual-core Intel Core i5	Hard drive: 1TB RAM: 8GB 1600MHz LPDDR3 Graphics: Intel Iris Graphics	£569
2.8GHz dual-core Intel Core i5	Hard drive: 1TB RAM: 8GB 1600MHz LPDDR3 Graphics: Intel Iris Graphics	£799

UPGRADE!



MacBook Air

DAYS SINCE REFRESH

226

UPDATE LIKELY?

Possible soon

BUY OR WAIT?

Wait if you can

The 2014 MacBook Air refresh was a mere speed bump, but the range also went down in price. The lower-specced model in each screen size is down £100, with the high-end versions £130 cheaper.

The MacBook Air is otherwise unchanged. The range uses Haswell processors, which are designed to use very little power. The graphics chipset is significantly speedier than its predecessor, and the flash storage is up to 45% faster than the 2012 model, or nine times quicker than a traditional hard drive. 802.11ac Wi-Fi made its Mac

debut with the 2013 Airs, and it's up to three times quicker than 802.11n. Battery life is awesome, with the 13-inch models lasting up to 12 hours, and the 11-inch Airs running for up to nine hours on a single charge.

CHOOSE A MACBOOK AIR

Model	Key specifications	Price
11" 1.4GHz Intel Core i5 128GB SSD	CPU: Dual-core Haswell Core i5 RAM: 4GB of 1600MHz LPDDR3 Graphics: Intel HD Graphics 5000	£749
11" 1.4GHz Intel Core i5 256GB SSD	CPU: Dual-core Haswell Core i5 RAM: 4GB of 1600MHz LPDDR3 Graphics: Intel HD Graphics 5000	£899
13" 1.4GHz Intel Core i5 128GB SSD	CPU: Dual-core Haswell Core i5 RAM: 4GB of 1600MHz LPDDR3 Graphics: Intel HD Graphics 5000	£849
13" 1.4GHz Intel Core i5 256GB SSD	CPU: Dual-core Haswell Core i5 RAM: 4GB of 1600MHz LPDDR3 Graphics: Intel HD Graphics 5000	£999

DAYS SINCE REFRESH

358

UPDATE LIKELY?

Possible soon

BUY OR WAIT?

Wait if you can

Eschewing the traditional tower design, the new Mac Pro is cylindrical, coming in at one eighth of the previous model's size – standing just 9.9 inches tall – but it packs a lot of power.

Designed around a thermal core that cools its components, the Mac Pro boasts next-generation Xeon processor options, dual workstation-class GPUs, Thunderbolt 2, PCIe-based flash storage and fast ECC memory. Six Thunderbolt 2 ports sit at the back; this second generation of Intel's Thunderbolt technology is flexible enough to provide a huge 20Gbps of bandwidth in one direction. And each of the six Thunderbolt 2 ports can daisy chain up to six peripherals, giving you access to up to 36 high-performance peripherals. It's fully backwards compatible with the original Thunderbolt port too, so if you already have Thunderbolt devices, you can still use them. There are also four USB 3.0 ports – the first time high-speed USB has been featured on the Mac Pro – and two gigabit Ethernet ports. Numerous custom options are also available.

The Mac Pro is probably a Mac too far for most users, but for those who need an incredible degree of computing power, it's capable of offering astonishing performance.

CHOOSE A MAC PRO

Model	Key specifications	Price
3.7GHz quad-core Xeon E5	Solid State Drive: 256GB RAM: 12GB 1866MHz DDR3 ECC Graphics: Dual AMD FirePro D300	£2,499
3.5GHz six-core Xeon E5	Solid State Drive: 256GB RAM: 16GB 1866MHz DDR3 ECC Graphics: Dual AMD FirePro D500	£3,299



iMac

DAYS SINCE REFRESH

54

UPDATE LIKELY?

Recently updated

BUY OR WAIT?

Buy now

➤ Apple's skipped 4K and headed straight for 5K to make this not only the Mac to have, but the desktop computer to own. It only comes in the 27-inch variety for now and sports a 3.5GHz quad-core Intel Core i5 (boosted to a 3.9GHz as an option) and a 1TB Fusion Drive. There's also 8GB of RAM, AMD Radeon R9 M290X with 2GB video memory. The range elsewhere hasn't changed, with two non-5K 27-inch models available and three 21.5-inch models. The high-end 21.5-inch model and both 27-inch iMacs feature quad-core Intel Core i5 processors.

CHOOSE AN iMAC

Model	Key specifications	Price
21.5" 1.4GHz Intel dual-core i5 processor	Hard drive: 500GB (5400rpm) Graphics: Intel HD Graphics 5000 Graphics memory: Shared	£899
21.5" 2.7GHz Intel quad-core i5	Hard drive: 1TB (5400rpm) Graphics: Intel Iris Pro Graphics memory: Shared	£1,049
21.5" 2.9GHz Intel quad-core i5	Hard drive: 1TB (5400rpm) Graphics: NVIDIA GeForce GT 750M Graphics memory: 1GB of GDDR5	£1,199
27" 3.2GHz Intel quad-core i5	Hard drive: 1TB (7200rpm) Graphics: NVIDIA GeForce GT 755M Graphics memory: 1GB of GDDR5	£1,449
27" 3.4GHz Intel quad-core i5	Hard drive: 1TB (7200rpm) Graphics: NVIDIA GeForce GTX 775M Graphics memory: 2GB of GDDR5	£1,599
Retina 5K 27" 3.5GHz Intel quad-core i5	Hard drive: 1TB Fusion Drive Graphics: AMD Radeon R9 M290X Graphics memory: 2GB of GDDR5	£1,999

R = Retina display

UPGRADE!



iPhone

DAYS SINCE REFRESH

92

UPDATE LIKELY?

October 2015?

BUY OR WAIT?

Buy now

➤ When you're deciding which iPhone to buy from the new line-up, your decision will be driven primarily by what size screen you want. The iPhone 5c (sadly relegated to one capacity, 8GB) and 5s have a 4-inch screen, while the 6 and 6 Plus have 4.7 and 5.5-inch respectively; think about how they fit into your life – literally. There are other differences; the 6 Plus's camera has an image-stabilising lens, and both 6 models are faster.

The iPhone 4s has sadly been retired by Apple but there are still some available from carriers (and second-hand, of course), so if you want that 3.5-inch, thumb-friendly design, you can still get it. The iPhone 4s will run iOS 8, but don't be surprised if it won't be upgradable to iOS 9.

CHOOSE AN iPhone

Model	Key specifications	Price
iPhone 5c	Processor: A6 Camera: 8-megapixel Video: 1080p, 30fps	R 8GB: £319
iPhone 5s	Processor: A7+M7 Camera: 8-megapixel Video: 1080p, 30fps/720p, 120fps	R 16GB: £459 32GB: £499
iPhone 6	Processor: A8+M8 Camera: 8-megapixel Video: 1080p, 60fps/720p, 240fps	R 16GB: £539 64GB: £619 128GB: £699
iPhone 6 Plus	Processor: A8+M8 Camera: 8-megapixel Video: 1080p, 60fps/720p, 240fps	R 16GB: £619 64GB: £699 128GB: £789

R = Retina display

UPGRADE!



iPod touch

DAYS SINCE REFRESH

168

UPDATE LIKELY?

Possible in 2015

BUY OR WAIT?

Consider waiting

At just 6.1mm thick, it's the slimmest iPod touch ever made. It looks great too, being built from ultra-light anodised aluminium. A new panorama feature lets you capture gorgeous panoramic photos by simply moving the camera across a scene.

In June 2014, Apple upgraded the 16GB version of the iPod touch, adding the rear-facing camera and range of colours, as well as dropping the price on the higher-capacity models.

CHOOSE AN iPOD TOUCH

Model	Key specifications	Price
16GB	Display: 1136 x 640 Input: Lightning connector Camera: 5-megapixel iSight	R £159
32GB	Display: 1136 x 640 Input: Lightning connector Camera: 5-megapixel iSight	R £199
64GB	Display: 1136 x 640 Input: Lightning connector Camera: 5-megapixel iSight	R £249

R = Retina display



iPod family

DAYS SINCE REFRESH

820

UPDATE LIKELY?

Possible in 2015

BUY OR WAIT?

Consider waiting

Apple's latest iPod nano is the thinnest iPod ever, at just 5.4mm thick. It also boasts the largest screen to appear on a nano, a 2.5-inch multi-touch display that's great for photos and videos, as well as navigating your album art. It's available in seven different colours, including the charity-supporting (PRODUCT)RED design.

Bluetooth 4 has been added for wireless streaming to compatible headphones and sound docks. You even get a built-in FM radio, too.

The iPod shuffle is overdue an update, but it's still a useful iPod. It's cheap, convenient and small; the perfect gift for a child or someone doing sports who needs a robust music player. It's great fun too, and an ideal spare iPod.

Sadly, at the same time as introducing the Apple Watch and iPhone 6, Apple retired the iPod classic. The writing may have been on the wall for this terrific 160GB powerhouse – the direct descendant of the original 2001 iPod – but it's nevertheless a shame to see it go; the iPod played such an important part in the renaissance of Apple. Our sadness isn't just nostalgic, though; with the iPod classic gone, those of us with big music collections must either pay a huge sum for a top-capacity iPhone 6 or subscribe to iTunes Match – though it has a 25,000 track limit.

CHOOSE AN iPOD

Model	Key specifications	Price
iPod shuffle	Capacity: 2GB Number of songs: 500 Colours: Choice of eight	R £40
iPod nano	Capacity: 16GB Number of songs: 4,000 Colours: Choice of eight	R £129

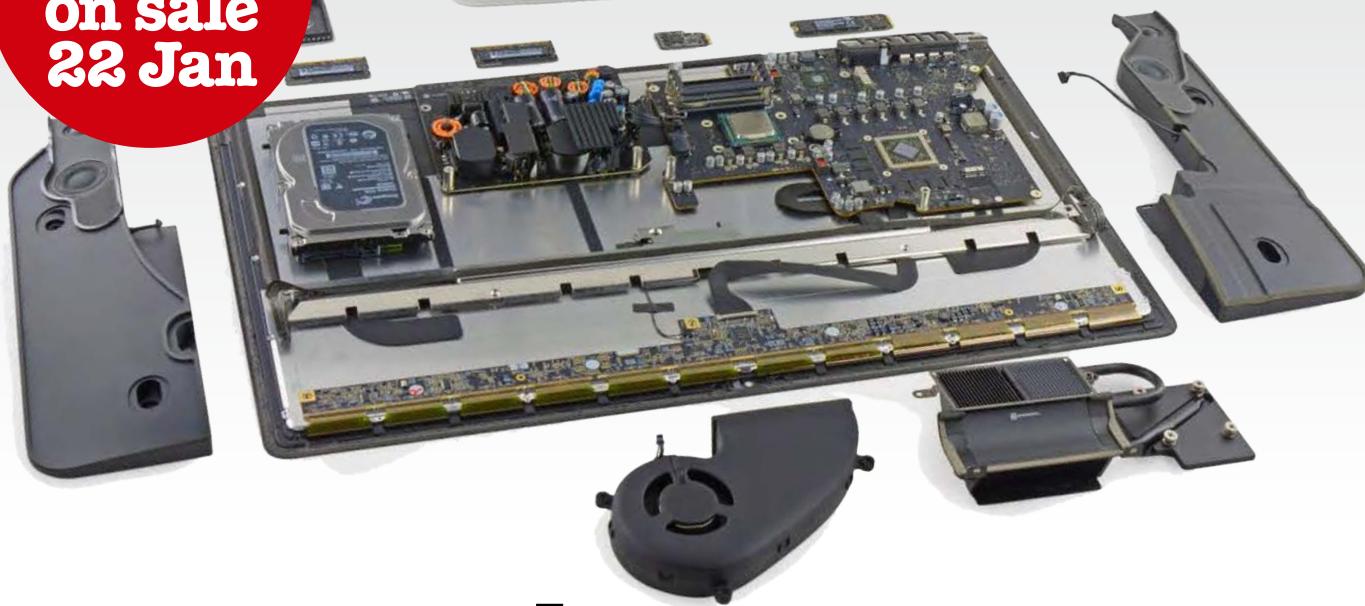


Next issue

Get more from your Mac with easy tutorials



**Issue
283
on sale
22 Jan**



Upgrade your Mac!

Discover the hardware upgrades that will really make a difference to your Mac, new or old

Don't miss it – subscribe today!

IN PRINT & ON YOUR iPad

Our print and digital bundle gets you the real magazine as well as our enhanced iPad edition

myfavouritemagazines.co.uk/MACsubs

ON YOUR MAC

Read on the big screen:
subscribe with Zinio at
zinio.com/macformat

Enhanced interactive features are iPad-only, and not available when viewed on an iPhone.

iPhone 6

Your companion manual



479

essential tips for
the iPhone 6 and
iPhone 6 Plus

Available at all good newsagents or visit
www.myfavouritemagazines.co.uk/computer

Apple CLASSICS

When Gary's PC looked in the mirror, this is what it wanted to see

**What's
your Apple
Classic?**
Got a favourite Mac from
days gone by? Email
us about it at letters@macformat.com

iBook G3



In the year 2000 my computer was going through a phase of what can only be compared to Hollywood celebrity worship: it was born a Dell but yearned to be something more beautiful, more feminine and sharp-shooting.

I dressed it up as best I could, bless its soul, with Stardock's WindowBlinds giving it a makeover to make Windows look like the Mac OS, but my computer (and I) suffered from ideas above our station. It looked like Groucho Marx, but yearned to look like Johnny Depp.

In my computer's case, it *was* the case. I could make the operating system look pretty, but that beige box needed more than concealer. The comedy moustache just kept growing back. And so we tucked it away and pretended that my computer was really the G3 iBook.

I loved the iBook. Everybody did. In a world of sober squares its clamshell curves were gorgeous, its colours bright and beautiful. I bought the day to night option, the Graphite one, but I secretly yearned for the Tangerine model. It didn't matter, though, because no matter which colour you went for – it came in Blueberry, Indigo and Key Lime, too – it always turned heads.

The iBook didn't just look amazing. It *was* amazing. It was beautiful to touch, its keys soft and supple compared to the corporate clickiness of PC keyboards. It had an air of mystery too, the magical ability to connect to the internet without any visible support. You knew there was an antenna somewhere, but you certainly couldn't see its outline.

The clamshell iBook made Wi-Fi mainstream and influenced the design of countless items, but its time in the spotlight was short: the first one appeared in June 1999, and it was replaced with the "snow" model in 2001. The iBook may not have been around for long, but it was never anything less than fabulous.



In a world of sober squares, the iBook's clamshell curves were beautiful

Unlike the iMac, the iBook didn't come with any dubious colour options: it started with just two.



TOTAL WAR™ SHOGUN 2

FALL OF THE SAMURAI

OUT NOW FOR MAC!

16™
www.pegi.info

WWW.FERALINTERACTIVE.COM
© SEGA. Creative Assembly, the Creative Assembly logo, Total War, SHOGUN and the Total War logo are trademarks or registered trademarks of the Creative Assembly Limited. SEGA and the SEGA logo are registered trademarks or trademarks of SEGA corporation. Developed for and published on the Mac by Feral Interactive Ltd. Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries. Feral and the Feral logo are trademarks of Feral Interactive Ltd. All other trademarks and copyrights are the property of their respective owners. All rights reserved.



TOTAL WAR™

SEGA®
WWW.SEGA.CO.UK

FERAL
MAKE YOUR PLAY



Virtualisation on the Mac just got a power boost.

VMWARE
FUSION⁷
PRO

VMware Fusion 7 Pro takes virtualisation on the Mac to the next level with powerful features designed for technical professionals who want to run Windows applications on a Mac without rebooting. Advanced users, developers and IT administrators rely on Fusion Pro for high performance, reliability and leading edge features to run Windows on a Mac.

Learn more at vmware.com/go/fusionpro