

Apple Bits

NORTHEAST OHIO APPLE CORPS
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IPHONES GO BIG

NEOAC

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ABOUT NEOAC

We are an informal group of Apple users and enthusiasts. We have members of all levels of computer expertise using all types of Macs and Apple products.

Annual dues are \$20.00 per family. In September, the cost for a new membership through the end of the year is \$10. To join or renew your membership, you can either pay at a meeting, on our web site or mail a check made out to "NEO Apple Corps" and send to the post office box noted above.

Dues include access to our listserv (an online bulletin board where you can post questions and/or comments at any time), a PDF of our monthly newsletter and the opportunity to participate in our monthly raffle for valuable Apple and Apple-related products.

MEMBERSHIP RENEWAL

Thanks to those members who have renewed. Dues are \$20 and include any family members that you can claim on your taxes. Membership privileges include participation in the raffles, the listserv, and picnic attendance. Prospective members should fill in the form on the last page.

MEETINGS

Unless otherwise noted, NEOAC meetings start at 9:30 a.m. on the fourth Saturday of each month at the Strongsville Public Library.

Strongsville Public Library
18700 Westwood Drive
Strongsville, OH 44136
(directly behind the police station)
440-238-5530
<**DIRECTIONS**>



NEXT MEETING

October 27

UPCOMING MEETINGS

November 17
December 15
January 19 (3rd Saturday)

How to Take Photos and Scan Documents with Continuity Camera in Mojave

JOSH CENTERS



<https://tidbits.com/2018/09/12/apple-focuses-on-x-appeal-with-the-iphone-xr-xs-and-xs-max/>

It's official, the three new iPhones are the (relatively) inexpensive iPhone XR, the mid-level iPhone XS, and the big-screen iPhone XS Max. All three feature numerous bits of enhanced technology—Apple's presenters kept saying that whatever subsystem they were talking about was the best/fastest/largest ever to ship in an iPhone. That's reflected in the prices, which are also the Apple has ever charged for an iPhone.

- iPhone XR: 64 GB for \$749, 128 GB for \$799, 256 GB for \$899

- iPhone XS: 64 GB for \$999, 256 GB for \$1149, 512 GB for \$1349
- iPhone XS Max: 64 GB for \$1099, 256 GB for \$1249, 512 GB for \$1449

(Despite those prices, Apple no longer includes a Lightning to 3.5mm Headphone Jack adapter, though they cost only \$9.)

Pre-orders for the iPhone XS and XS Max opened on 14 September 2018 and they'll ship on 21 September 2018. Those looking for an iPhone XR will have to wait a month—you can pre-order on 19 October 2018 for a ship date of 26 October 2018.

The names, which leaked ahead of the announcement, have been widely

mocked. Apple does indeed say “iPhone Ten Ess,” not “iPhone Excess.” Don’t say it too fast, or you’ll be playing “iPhone Tennis.” And “Max” instead of “Plus”? It’s going to be all too easy to write “iPhone XS Mac” accidentally. Also, as alliteratively awkward as it is, the S at least makes sense for an alternate year model, which Apple has done since the iPhone 3GS, when Phil Schiller said it stood for “Speed.” Who knows where the R in iPhone XR comes from or stands for? Both the S and R are technically small caps, and Apple seems to have switched back to full capital letters when it can’t write the names using small caps. The company jumped from iPhone 4S to iPhone 5s and iPhone 6s before coming back around to iPhone XS and iPhone XR. At least the change will make possessives and plurals easier (see [“Ruminating about Apple’s Lowercase Letters,”](#) 11 September 2013).

Nomenclature aside, all three follow in the footsteps of last year’s iPhone X, dropping the Home button and Touch ID in favor of Face ID and the ubiquitous notch. If you really want Touch ID, or just want to save some money, Apple is keeping the iPhone 7 (starting at \$449) and iPhone 8 (starting at \$599) in the lineup. Gone, but certainly not forgotten, is the small-screen iPhone SE. It will be much missed by those with smaller hands and smaller or nonexistent pockets.

What the new iPhones all have in common

Apple made much of the fact that all three phones are powered by the company’s new A12 Bionic chip, which boasts up to 15% faster performance, 50% less power consumption, and 50% faster graphics performance than last year’s A11 Bionic. It also features a next-generation Neural Engine that can run machine learning operations up to nine times faster than the A11 Bionic. Apart from generally improved performance, the A12 Bionic enables new computational photography capabilities, such as depth of field editing after the fact and Smart HDR photos that combine even more images into a single perfectly exposed shot.

Speaking of cameras, the iPhone XS and XS Max feature identical dual 12-megapixel rear-facing cameras, and all three models share the same 7-megapixel TrueDepth front-facing camera. While the iPhone XR has only a single 12-megapixel rear-facing camera, it can still take photos in Portrait mode thanks to the A12 Bionic’s Neural Engine. However, the iPhone XR cannot do 2x optical zoom because that requires the second lens.

All three iPhones capture up to 4K video at 60 frames per second with the rear-facing camera or 1080p at 60 fps with the front-facing camera. In an improvement over previous models,



all three can capture stereo sound while recording video. Although we'll have to wait until photographers and videographers get their hands on these iPhones, it seems safe to say that, as Apple would like to emphasize, they'll take the best photos and videos of any iPhone yet. Another new feature common to all three models is support for dual SIMs, which lets you use two phone numbers at once, each with its own plan. Those who currently have to carry work and personal phones will appreciate this, as will those who travel frequently and need different plans when abroad. iPhone XS Max models sold in China will have two physical SIM slots, whereas models elsewhere in the world will have only

one nano-SIM slot and for the second SIM will use Apple's eSIM technology, currently used in the cellular-capable iPad and Apple Watch.

Ways in which the new iPhones differ from one another

That's pretty much where the similarities end. As you'd expect from the prices, there are quite a few differences as well—check out Apple's comparison page for full details.

The most obvious differences are with the screens. Although all three are True Tone displays and feature a P3 wide color gamut, the sizes and resolutions vary widely:

- The iPhone XR has a 6.1-inch LCD display that Apple is calling Liquid

Retina, with a resolution of 1792-by-828 at 326 ppi.

- The iPhone XS features a 5.8-inch OLED HDR display with a resolution of 2436-by-1125 at 458 ppi.
- The iPhone XS Max boasts an enormous 6.5-inch OLED HDR display with a resolution of 2688-by-1242 at 458 ppi.

The screen sizes drive the overall physical dimensions of each iPhone as well. You might think the iPhone XR would be the smallest, but in fact, it's slightly taller and wider than the iPhone XS. The iPhone XS Max is the largest, of course, but it's actually about a millimeter smaller than the old iPhone 8 Plus in height and width.

The iPhone XS models both have a water resistance rating of IP68, which means that they should be able to withstand being immersed to a depth of 2 meters for up to 30 minutes. The XR is rated at IP67, so it can only go down to 1 meter for 30 minutes. We still don't recommend testing Apple's claims.

Another big difference between the iPhone XS models and the iPhone XR comes in the case material. The iPhone XS models have glass backs and are edged in stainless steel that comes in last year's silver and space gray, with gold joining the color choices this year. In contrast, the iPhone XR features aluminum casings in red, yellow, white, coral, black, and

blue. We'll be interested to see how the feel changes between the two lines—we've been uncomfortable with leaving the iPhone X out of a case, which eliminates much of the value of Apple's vaunted design.

One final technology that Apple cut to lower the price of the iPhone XR is 3D Touch. Instead, the iPhone XR features a replacement called Haptic Touch, which reportedly offers similar haptic feedback minus the press and pop interface elements. We'll have to see if this makes a difference or not—since 3D Touch hasn't become ubiquitous across all iOS devices, iOS itself hasn't been able to rely on it for common user interface interactions.

Should you buy one of these new iPhones?

That's the \$64,000 question, though happily, iPhones don't cost quite that much yet. Needless to say, the iPhone XS and XS Max are indeed the most impressive iPhones that Apple has ever developed. We would expect nothing less—Apple will never come out with an iPhone that's notably less capable than previous models just to cut costs. And the iPhone XR seems like a solid attempt to provide most of today's technology in a lower-cost package—it's cheaper than last year's iPhone 8 Plus was at launch.

That said, if it seems like you're paying more than ever for new Apple products, it's because you are. That iPhone XR is still \$100 more than the iPhone's traditional \$649 starting

price, and while we choked a little at the \$1149 price of a 256 GB iPhone X last year, you can now pay up to \$1449 for a 512 GB iPhone XS Max.

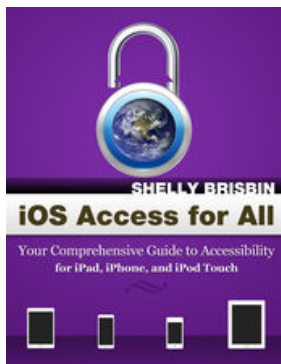
Don't be surprised—we predicted this in "[Apple's Q3 2018 Results Break Records Again](#)" (31 July 2018), saying, "You'll likely end up paying more for Apple products, since the success of the iPhone X has allowed Apple to continue breaking records while unit sales stagnate," and "Don't look for significant Apple investment in less expensive products like the iPhone SE and Mac mini."

Is all the new technology in these iPhones worth the price? Only you can answer that, but as exciting as it is, we think an upgrade decision falls more into the "want, not need" category if you have a perfectly functional iPhone from the last few years. Apple even said during the keynote that it was trying hard to help customers use their iPhones for as long as possible, which is one reason

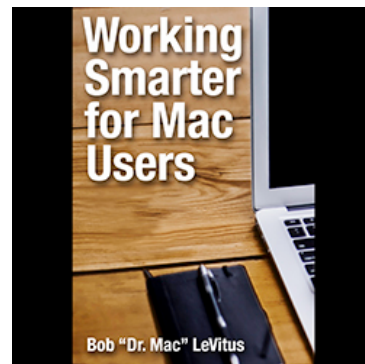
for the focus in iOS 12 on performance for older devices as far back as the iPhone 5s.

Of course, if your current phone is on its last legs or you need to hand your current one down to another family member, you're unlikely to go wrong with any of these three iPhones. We almost wonder if the iPhone XR and iPhone XS Max won't be more popular than the mid-level iPhone XS thanks to the low prices of the iPhone XR and the huge screen of the iPhone XS Max. The iPhone XS just doesn't stand out in any dimension.

Regardless, we're seeing these iPhones today because of the massive popularity of the iPhone X design. Several of us here at TidBITS bought the iPhone X last year because it was such a technological leap, and we felt that we needed to use it to understand where Apple was going. In retrospect, we guessed right.



[iOS Access for All](#)



[Working Smarter for Mac Users](#)

TipBITS: How to Recover Space from an iOS Update - TidBITS

ADAM ENGST



<https://tidbits.com/2018/06/08/tipbits-how-to-recover-space-from-an-ios-update/>

In the recent WWDC keynote, Apple highlighted how quickly many people upgraded to iOS 11 by claiming that half of the iOS user-base upgraded within 7 weeks. That sounds impressive, but as we all know, iOS is pretty pushy about updates—badging the Settings app icon and nagging you repeatedly to install the update. As part of that pushiness, if there’s sufficient free space on your device, iOS downloads its updates in the background so they’re available to install, regardless of whether you’re ready for them.

Therein lies the problem. Apple’s definition of “sufficient free space” may differ from yours, especially if you’re planning to shoot video of your kid’s soccer game and would rather use a few hundred megabytes for that instead of an update you don’t want to install yet.

Unfortunately, unlike in macOS, where you can avoid selecting the checkbox for “Download newly available updates in the background” in the App Store pane of System Preferences, iOS gives you no control over whether or not these updates are downloaded. Aside from the storage issue, that lack of control might also present a bandwidth problem for people who are

charged by the bit, who need to be careful of data caps, or who have very slow Internet connections and prefer to initiate such downloads when on a faster link. We presume that such updates download only over Wi-Fi, but again, Apple provides no transparency into the process.

If you do run into this situation, where you need to recover the space being consumed by an iOS update in waiting, you can do so, at least until iOS decides to download the update again.

First, to see if this is the case, tap Settings > General > Software Update. If the link at the bottom is Install Now, the update has already been downloaded and can be deleted. (If it instead reads Download and Install, the update hasn't been downloaded automatically and thus isn't taking any space.)

An iPhone with iOS 11.4 downloaded and ready to install (left) versus an iPad that hasn't yet downloaded the update (right).

Next, go to Settings > General > iPhone/iPad Storage. This screen summarizes how your space is being used at the top, provides space-saving recommendations that are worth considering, and then lists each app in order of how much space it and its data take up. An iOS update might be relatively near the top if it's a major update, such as from iOS 10 to iOS 11. Most updates within a major version are smaller, so you'll need to

scroll down in the list to find them. Tap the update, then tap Delete Update, and confirm that you want to delete it.

If you go back to Settings > General > Software Update, you'll see that the link at the bottom has changed from Install Now to Download and Install. When you're ready to install the update, tap that link to proceed.

Please don't interpret this article as a suggestion that you should avoid installing updates. That's a terrible idea. For stability and security reasons —not to mention getting new features —you should always install updates. But you can and should wait a few days after an update is released to make sure there aren't any problems with it and then download at a time that works for you. The instructions above merely show you how you can manage your storage in the interim.



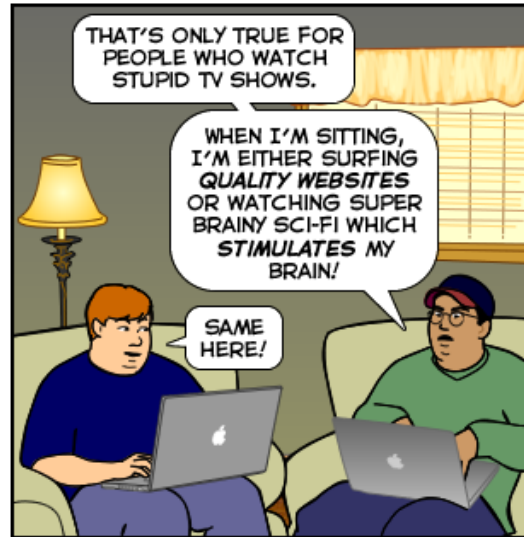
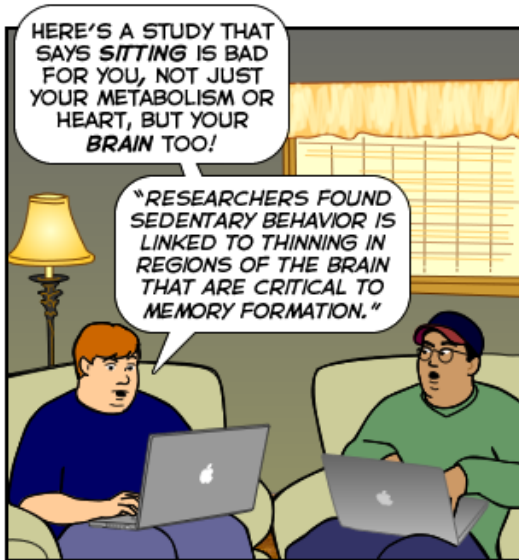
Holiday Raffle Begins in November

The annual two month holiday raffle will begin next month. As always tickets bought before the November raffle will be eligible for the December raffle. Marty will announce the prizes at the meeting.

Joy of Tech

<http://www.joyoftech.com/joyoftech/joyarchives/2563.html>

The Joy of Tech® by Nitrozac & Snaggy



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Membership Renewal Form

For those members who wish to mail in their renewal, simply print and fill out this page, include check or money order for \$20 (made out to NEO Apple Corps) and mail to:

NEOAC
P.O. Box 361782
Strongsville, OH 44136

Name (first last):

Email address (Please include even if opting out of Google Group, so an acknowledgement of the receipt of your check can be issued; a written receipt will be available at the next meeting.):

Street Address:

City, State & Zip Code:

New or Renewal: check one

- New
- Renewal
- Lifetime member

Are you part of a family membership?
check one

- No
- Primary member (the one who paid)
- Secondary member (everyone else)

What Apple products do you own?
(e.g. Mini, MacBook, iPhone, iPad)

What is the primary OS you use?
(e.g., Snow Leopard? Lion? Mountain Lion? Mavericks? Yosemite? iOS? Other?)

Years using a Mac: check one

- less than one year
- 1-3 years
- More than 3 years

Opt out of Google Group

Do you want to receive listserv email?

- Yes
- No