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## Lg v20 user manual at

Welcome to the Android LG V20 update page. This page covers all major U.S. carriers with a quick reference table for each and a log with links to more details. It will be regularly updated with the latest LG V20 update information, but will not include general security patches on its own. We recommend that you bookmark this page so you can stay up to date with the latest updates. Android 7.0 Update Tracker NougatAndroid 8.0 Nougat Tracker UPDATELG V20 Android Oreo UpdateThe LG V20 was released in October 2016 and was the phone to introduce Android Nougat to the world. As one of LG's flagship devices, it will receive Android 8.0 Oreo, although we don't know which variants. As of July 2018, variants of South Korena have seen an update to Oreo, meaning American variants are likely to follow soon after. LG was quick enough to upgrade the LG G5 to Nougat as well, getting it out to unlock the models in November 2015, but the LG V10 was waiting until May to get it. Based on this, it's hard to predict how long the V20 might wait to receive Android Oreo, but we would expect it won't be until the end of 2018.LG V20 update US LG V20 updates USAndroid 7.0 NougatAndroid 7.1.1 NougatAndroid 20 updates8.0VerizonYesTBATBAAT&TYesTBATBAT-MobileYesTBATBASprintYesTBATBA AT&T LG V20 update (H910)April 14. 2017: AT&T launches a 174MB patch with the latest Android security updates. Verizon LG V20 Update (VS995)April 1, 2017: Verizon offers software optimizations, bug fixes, and the latest security updates to the V20. T-Mobile LG V20 Update (H918)May 25, 2017: T-Mobile features various bug fixes and stability improvements, including a problem with the E911 timer. Sprint LG V20 Update (LS997)April 12, 2017: Sprint fixes a bug that stopped some devices from connecting to the Sprint network when moving from Mexico to the United States. LG V20 International Update (H990N/H990DS/H990T)LG V20 has not yet received any notable updates on international markets. If you've received an update we've lost, press the comments below or Tip! Tagged: Android, LG Android 8 Oreo LG's flagship G-phone series has been a solid success for the company, particularly with the G2 and G3 outpacing the competition in many ways. But seeing the opportunity of an even bigger, feature-rich phone, LG unveiled a new device and a whole new line with the V10 in 2015. It was huge, robust and packed with an incredible number of features for a single phone - the strong point was it was for content creation instead of consumption. In 2016, the flagship of general interest LG G5 fell flat and is hardly on the radar of those looking for a high-end phone. Interestingly, the V20 effectively looks and feels like a larger G5, although it retains many of the features and much of the DNA of the V10. This combination of approaches makes the V20 dramatically more attractive for a wider range of customers, but at the same time works to differentiate by packing as many features and specifications as possible into one large phone. With two screens on the front, two cameras on the back, a removable battery, Android 7.0 Nougat running the show, and a stack of content creation features, the V20 is quite a handful. He's also commanding a large handful of money to acquire one. With LG failing to get out of the blocks with the G5 and relying on a successful V10, can the V20 draw from both to be a success? We are here to explore just that in our full review of LG V20. I (Andrew Martonik) am writing this review after three weeks using a pre-production LG V20, followed by six days using an AT&T retail version of the phone. The phones were used on the T-Mobile network in Seattle, WA and San Francisco, CA, as well as on seattle's AT&T network. Both phones were provided to Android Central for review by LG. Last year's V10 was a physically impressive device, and while this was attractive to a small group of people, it wasn't the right strategy to be a big hit. The V20 takes up many of the hardware features that made the V10 appealing - a large screen, a removable battery, two cameras and a heavy metal frame - and implemented them with much more subtlety and efficiency. You won't find a thick rubber back or heavy stainless steel sides anymore, but you'll get something that's a little easier for the eyes while being extremely sturdy. The only area where the V20 does not differ from the V10 is in its size. Although it has shrunk a bit in terms of weight, the V20 is still a huge phone. For a comparison point, the V20 is actually larger in every size than the iPhone 7 Plus, which in turn is also known to be a very large phone. With a height of 159.7 mm it is also a higher stain than the huge Nexus 6, although fortunately a few millimeters narrower and thinner. Display: 5.7-inch display 2560x1440 LCD Secondary screen Camera: 16MP f/1.9 Secondary wide-angle laser of 5 MP f/2.4, phase-detect, contrast auto focus 5MP front camera Battery: 3200 mAh Removable Quick Charge 3.0 Chips: Qualcomm Snapdragon 820 processor 4GB RAM 64GB storage SD card slot So what takes up all this space? Well, from the front it's about the screen and frames. Starting with a 5.7-inch display means you'll automatically have a large phone: add the second screen to it and that makes your phone a little higher. Add medium-sized frames, a front camera, and a call headset, and now it's in huge territory. Its size and attention to LG audio did not go with front stereo speakers, however, leaving the output to a single speaker in focus down to the right of the USB-C port. Other: Full Specifications LG V20 The display itself - a QHD Quantum Display LCD - is really good and unlike the previous generation of LG phones, it becomes very bright and vivid even in direct sunlight. It's not quite at the level of Samsung and the new Pixel XL, but it's pretty damn close - I really like it. The glass around the screen does not extend completely to the upper and lower frames, but flows well into the plastic (yes, the top and bottom are made of plastic for RF motifs) with curves originally shown on the G5. It also seamlessly transforms into the metal sides, which are actually part of the phone's complete removable back plate. LG was a company that constantly puts value into having a removable battery in its phones, and it was basically a fact that the V20 would follow suit. Rather than using a detachable plastic backrest or a strange modular bottom, LG went with a well-known but not often used strategy of a removable solid metal back. The back plate is thick and extremely rigid, which is important - this piece of metal is the main thing you keep on the phone every day, and the feeling of it would make or completely break the physical experience of the V20. The phone looks like a solid piece of aluminum, although the top and bottom are plastic, simply because much of what you keep is this big piece of metal. Now it honestly doesn't look as good as Pixel XL, Moto Z or HTC 10 - you can't really fake your way to a 100% unibody vibe - but it's damn good and much better than previous phones with removable ports. It is important for LG, it looks like a different production class from the disastrous modular bottom of the G5 and the strange coating on the metal. Although LG clearly performed its physical elements well, I don't think it nailed the look. This is a large silver or titanium gray rectangle without an eye-catching design flourishing - and that's really saying something, as I even found the Pixel XL (which many have panato as boring) to be attractive. The design of the V20 feels only ... aggressively average. Although the metal backsea is very well made, the subtle difference in texture and shine between that metal and plastic is easy to notice and difficult to see once done. The shimmering thin metal lining around the camera pod looks and feels more like cheap plastic. It's a huge gray rounded slab, no matter where you look at it: there's nothing stellar to point to as a design feature that keeps you interested. The design is subjective, of course, and some might appreciate the simplicity and lack of flare with the V20. And if you do, the fact that it was built very well and executed properly in terms of hardware is extremely important. You're getting a phone without apologizing that lots of specs inside, including power user features like an SD card slot and removable battery, without compromising much in terms of feel or building materials - this is a win. LG is framing the launch of the V20 by the fact that it is the first phone to launch with Android 7.0 Nougat out of the box, schemes, in all respects he managed to do so. The phone was launched in South Korea at the end of September with the latest version of the operating system just days before Google unveiled the new Pixels and Pixel XL with Android 7.1, then, mission accomplished. Those of us who buy in the U.S. technically will have the second phone with Nougat preloaded, as the Pixels have already started shipping and the LG V20 doesn't arrive in U.S. carrier stores until October 28. This issue was created mainly by the release cadence of LG, where it takes almost two months after the announcement to get a phone for sale in the United States; but he doesn't seem too eager to change it right now. Aside from these particular quibbles, I applaud LG's commitment to launching with the latest possible version of Android the moment it actually announced the phone. LG has obviously been a long-standing partner with Google and that certainly played a role in its desire to launch with Nougat, although the simple choice to release a phone in the fourth quarter always helps you to match even the latest version of the Android platform. The version of LG on Android 7.0 is a bit smaller than its implementation of Android 6.0, and this is a welcome change. The quick settings, notification hue, and settings have taken on a black-and-white look that's clean and easy to navigate and isn't too far from what you find today on a Nexus or pixel. LG also dropped many shadows and crazy colors, simply going to a flatter overall look with splashes of a turquoise color for the effect here and there. From a functional point of view, things have improved a bit too. LG's navigation buttons, while still customizable, are now actually standard buttons that interact correctly with the system in terms of full-screen mode and the Back button switching to a keyboard collapse button, if appropriate. Its Recent menu is also standard to Nougat, including multi-window support. Unfortunately you still get a handful of reminders that you are using LG's software. It kept around the stupid animations on the lock screen and splash screen, and the launcher design looks a bit stuck in the past throughout. LG's default keyboard is also a bit of a mess. Thankfully you can overcome most of these issues with a launcher and keyboard exchange - as I did quickly on my review units - to get something a little cleaner and more modern. LG unfortunately still quite difficult caves for carriers in terms of bloatware, with my SHIPPING AT&T model with an aberrant 20 app from the carrier, as well as steps in the configuration process and settings changes. It's too much, and it's an area I wish LG could put his foot down and stop. When it comes to performance, LG does a good job keeping its software running quickly with the Snapdragon 820 processor and 4GB of RAM. For the most part it was snappy and heavy apps or multitasking were also not a problem. However, I came across some cases where things would go on at a slower pace than usual, though, and sometimes I went through a minute or two when the apps took an extra moment to open. After thinking this was a problem with my pre-production version, I was disappointed to see the same happen on the full production AT&T model. To be perfectly honest, the slowest performance cases were few and far between, but they happened often enough to be frustrating. Maybe I'm a little spoiled having just spent more than a week with the Pixel XL before reviewing the V20's production model, but the overall contrast in speed and fluidity between the two is quite noticeable. Pixel XL is definitely faster, smoother and faster to do everything. As I noted in my Pixel XL review it's almost an imperceptible difference most of the time, but when you compare it side by side with another phone, like the V20, it's just a little slower you can see how impressive Google's software is. Just like its predecessor, the V20's second screen isn't physically a second screen as much as it's just a little bit more at the top of the main display panel that works independently. Aside from the camera app, the extra part is never made available as a true main display extension: it's purely dedicated to the second-screen experience of watchable and always available information. The small 160x1040 resolution panel can be configured to display up to seven different panels of information, which you can swipe left or right regardless of what is on the main screen. You can see things like a set of five quick tools for the most used features, shortcuts for five favorite apps, music player controls, or quick contacts. I mainly used the fast tools and launcher of favorite apps, but I never got into the habit of using the second screen. Just like I found with the edge screen on the Galaxy S7 edge (and Note 7), the second screen does not do much more than duplicate functions that I can already do very quickly elsewhere on the phone. As easily as I can access quick tools, I can scroll down the shadow of notifications. As quickly as scrolling and then tapping a recent app on the second screen, I could just press the Recent button in the navigation bar... and so on and so on for so far. Add to that the fact that the second screen is located at the top of an extremely high phone and makes it (literally) a bit accessible of the same functions elsewhere on your phone. The second screen is also a bit in between when you want to reach the top and swipe down the shadow of notifications: I accidentally opened apps or turned off Wi-Fi more than a few times when I was just trying to scroll down to see notifications. If the second screen is enabled to work when Screen is off you can get some accidental touches on it while it is in your pocket, while it is useful to work with the second screen to quickly activate the audio profile when the screen is turned off, I have more than once pulled out the phone to the torm after being accidentally activated. The LG V20's battery is removable and replaceable for a cool cell at any time, but that means the battery itself is a bit smaller than you'll probably get if it were permanently incorporated. 3200 mAh is not that small, but given the fact that smaller phones like the Galaxy S7 edge and Google Pixel XL manage to have 3600 and 3450 mAh batteries, respectively, it is clear that there is a compromise going on here. LG did a good job of getting battery life where it needs to be on the V20, but honestly it's a bit below my expectations. Thanks to the large QHD display, the second screen always ready and the lower than average battery size, the V20 is good for a full day of use... but it doesn't always do it with much left in reserve. My typical day, as I have described many times in reviews, involves a few hours of screen on time, a lot of time spent on Wi-Fi, all the synchronization of all my email and social media accounts, a lot of time spent listening to music and podcasts, and frequent use of Maps, Drive, Twitter and the like. With this usage, the V20 was good for about 15-16 hours to be completely dead. This means that on average I would close my day with something like a 10-15% battery in the tank, which is right on the verge of being worrying to me. That extra 5-10% capacity drop compared to other big phones could add enough padding that I would never be worried about battery life on the V20. As it is, however, it is quite good, but not spectacular, especially for a big phone. And for some, the combination of a removable battery that can be exchanged for a 100% charge in seconds and quick charge 3.0 support is enough to stand it. I personally have no desire to manage charging and keep the phone-specific batteries, so I leaned on Quick Charge 3.0 instead, but some people still cling to the idea that a user-replaceable battery is something they need. More power for them. Quad DAC and high-resolution LG audio have hung their hats on high-resolution audio with the V-series, and the V20 sports a 32-bit QUAD DAC that you can quickly activate when using wired headphones. As I keep saying when I review phones I'm not an audiophile in any way, although I own and use some pairs of headphones more beautiful than average. But regardless you're listening to or what pair of headphones you've connected from, you can clearly distinguish audio quality from high-end DAC on the V20. The audio is richer and fuller, with a wider range, and there's absolutely no downside here: you only get better audio every time your phone is exempt from the headphone jack. Mio Mio the question is this: if I didn't have access to the higher quality DAC at the push of a button, or were you just listening to music on another phone with a lower DAC, would I really notice the difference? I'd say most people wouldn't, and while some of this boils down to the appearance of not knowing what you're missing, there's something to say for too much hype put into these nicer DACs. Everyone will notice some sort of advantage and better sounding audio is always a good thing, but few people have the hardware or ears to make the 32-bit Quad DAC in the V20 a strong point for the phone. The V20's camera setup is something LG can be proud of, although it's not materially different from what we saw several months ago with the G5. This is the same component as the dual camera, pairing a 16MP sensor with a standard lens along with an 8MP sensor with a wide-angle lens. You also get a hybrid auto focus system that combines lasers, phase detection, and contrast auto focus to select the best one for the scene. LG's camera interface is pretty simple, but it easily brings at your fingertips the most used features on the left edge of the interface, including the second screen to switch between shooting modes. Frustrating is still missing an HDR switch, though: you need to jump into the full camera settings to use it. The V20 also offers an extremely complete manual shooting mode, including a manual video mode, which is a photographer's delight. The only gap I find in the camera software is its speed. Sometimes it's super fast to start and take photos, and other times stutter and delay while opening or switching between the gallery and the camera - I expect more from this high end of a phone. I love shooting with the V20 simply because of its dual camera setup that offers so many new and exciting opportunities, and those who have used the LG G5 know what I'm talking about. Almost every photo your friends and family post online today is taken with about the same focal length, providing the same look as I took this with a smartphone and uploaded it. With a tap on the screen you can switch the V20 to a wonderful wide-angle lens that takes super interesting photos, and it's wonderful. I found myself taking somewhere between a third and half of my photos with the wide-angle lens just so I could mix things up a bit. It's a real treat. When it comes to overall quality, the 16MP main sensor is obviously the best of the two - and that's great. The main camera takes fantastic and vivid photos that if anything a slight step behind the slight step behind the edge of Pixel and Galaxy S7, but only in some situations. In most scenes, I literally didn't see any quality difference between the V20 and the competition, and that's in line with what we found when we spent time with the G5 earlier this year. LG is doing things Here. The real problem for me is the drop in quality when switching to the wide-angle sensor. Its lower resolution and higher f/2.4 aperture do not handle low light situations in any way equal to the best main camera, and this is extremely disappointing. During the day the wide-angle camera is fine, taking some amazing photos, but when the lights sink you can no longer rely on that wide-angle camera to give you the quality you expect, and that's disappointing. If LG could figure out how to put an exact main sensor duplicate behind the secondary wide-angle lens, I wouldn't really be able to find a complaint with the entire camera setup. In terms of video, the V20 boasts all the right features. In addition to its manual video mode that I mentioned above, the V20 offers up to UHD video recording, tracking focus, constant electronic recording and very high fidelity audio recording from multiple microphones. The videos taken on the V20 are more stable than most thanks to the combination of OIS (optical image stabilization) and EIS (electronic image stabilization), but the stabilization offered in situations like walking down the street is well below what Google does on pixels - to the point that I wouldn't be surprised if a software patch came to improve things. When recording microphones handle a high range of audio without distorting, though, it's really impressive. LG easily has the best overall setup for recording videos on a smartphone, although its image stabilization is not as smooth as Google's. The V20 controls many boxes in terms of features and specifications: large bright screen, high-end interior, great cameras, fast charging, removable battery, SD card slot, fingerprint sensor, Android Nougat 7.0, hi-fi audio, manual camera controls and much more. But in putting it all together in one phone, it seems to lack that little bit more that makes it feel like a complete product for me. The V20 includes a lot of specs, but it's so big that it's unmanageable for a lot of people. The removable battery is good for a small group of potential buyers, but the battery life suffers a bit, and more importantly, building your phone takes a hit (losing waterproofing as well) to integrate the removable battery port. The second screen looks clean, but it makes the phone taller and isn't that useful on a daily basis. LG pushed to get the V20 with Android 7.0 Nougat out of the box, but its customizations still feel a bit out of order and we don't have solid prospects for regular security updates future versions of Android. There are two ways to measure the V20. The first is how it compares to its predecessor, the V10, the new model gets the right hardware, has better software, and has retained the unique features of a second screen, removable battery, and advanced camera and audio features. This is clearly a huge update from the and in many ways a better complete device than even the LG G5. Next, and more importantly, we need to look a little more critically at how the V20 compares to its immediate competition from Samsung, Google, Moto and yes, Apple. Each of the flagships of the aforementioned companies offers a similar screen size, the same basic specifications, a good camera experience, fast charging and long battery life and, in any case, better overall hardware construction than the V20. Yes, LG can lean on its large dual camera setup, slightly larger display, removable battery and hi-fi audio... but some people would give up one or more of these features for a more cohesive phone experience. At the end of 2016, smartphones are still all compromised. Every single decision a company makes about a specification or feature has something else related to it. With the V20, LG focused on getting the most stuff crammed into a single phone, and in the end the trade-off was getting a phone that isn't quite built as well as the competition, it's a bit big for many hands to handle, and lacks the software enamel to go against Google's flagship. Those who have enjoyed the V10, feature and specific junkies who are self-described experienced users, will be everywhere; and rightly so, as the V20 does almost everything you could want and does it pretty damn well. General consumers looking for a more thoughtful, balanced and considered phone are likely to move away in the direction of LG's high-end competition. Competition.

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