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Please select your country and operator below to see Device Guides for your operator. Please note: Your operator does not offer Device Guides. Some phones, tablets, guides, settings and other features will be unavailable or incorrect. If you are not content with Android 12 on your Google Pixel, it's probably music to your ears knowing that you can downgrade your OS to a stable version of Android 11 if you encounter any major problems or just don't like the substantial overhaul. We've shown you how to install Android 12 on your Pixel, so it's only fair that we show you how to downgrade from this build if you simply don't like it or encounter problems you hadn't foreseen ahead of time. You might have tried out the Developer Previews and Betas and had a number of problems and bugs. The stable update is fairly bug-free but luckily, downgrading from the Android 12 back to a stable Android 11 build is possible and not all that difficult - it just takes a little time. You're going to need to do a few things before you can revert to a stable Android 11 build, though. Firstly, be sure to back up all of your data before even attempting this. You WILL lose your device data, as this method requires a FULL device wipe, and it will be wiped several times during this process. Note: This guide is also tailored for Windows users, meaning that the process may vary for those using MacOS or Linux.

Video — How to downgrade from the Android 12 Beta on Google Pixel Download and install Android SDK Platform-tools Enable USB debugging and OEM unlocking Download the most recent compatible Factory Image Boot into device bootloader Unlock bootloader Enter the flash command Relock bootloader (optional) Reboot your phone You'll need to use ADB or Android Debug Bridge to downgrade your current Android 12 build to an older version. We recommend installing the unzipped platform-tools package on your desktop for quick access when running commands. You can download the latest platform-tools zip file from here. Alternatively, Nexus Tools from Corbin Davenport offers a very simple way to ensure that you have the very latest version of Platform-Tools on your Windows, Mac or Linux machine at all times. Nexus Tools has been written in Dart, so it can run on Linux, macOS, Windows, Windows Subsystem for Linux, and Chrome OS. Once Nexus Tools is finished, you can run adb, fastboot, and other commands with zero problems or issues. 2. Enable USB debugging and OEM unlocking Firstly, ensure that you have Developer Options enabled on your Pixel. You can do that by heading to your device Settings > About phone, now tap "Build number" until a message confirms that you have Developer options enabled. Now you need to head to Settings > System > Advanced > Developer options (you may need to expand a hidden menu for this). Before we are ready to continue, you will need to scroll down and enable "OEM unlocking" as this is integral for further steps. Now scroll slightly further down to the "Debugging" section and tap the "Allow USB debugging" option. 3. Download the Factory Image for your device This is necessary for the Android 12 downgrade process. You'll need to download the correct Factory Image for your device. This is essentially just a blank slate for your smartphone or snapshot of that particular Android build at that time. You can grab it from Google's Factory Image OTA hosting site, which contains all Factory Images for Pixel devices. You will need to add this file and unzip its contents to the platform-tools folder for access later on. Note: Do not extract into an internal sub-folder, just extract all files into the main platform-tool folder. This can be done a couple of ways. The simplest way is to connect your device to your Windows PC and open the platform-tools folder and typing "cmd" into your file manager address bar. This will open a Command Prompt window in the right place. Now enter the following command to start the adb daemon: adb reboot bootloader Your Pixel device will now load into the bootloader, which is where we'll need to be to send some commands. Alternatively, you can press and hold the Power button and volume down key until you see the Android figure lying down. Now you will need to press and hold the power button and volume up button briefly before releasing the volume up key. Using the up and down volume buttons, you can scroll to select "enter fastboot." Unlocking the bootloader is necessary for the flashing process, as, unfortunately, you can't flash a Factory Image and downgrade your Android version using the slightly simpler ADB sideloading method. This is a pretty simple process, though. When using your command-line interface, enter the following command: fastboot flashing unlock You will get a slightly daunting message on your display warning you that unlocking the bootloader may cause device instability. Using the physical volume keys, choose the "Unlock the bootloader" option and confirm your selection by pressing the power button. Restart your Pixel, as this process will wipe your smartphone. We will also need to skip the device startup process to re-enable USB Debugging in preparation for the next step. Once you have done so, ensure your Pixel is connected to your PC, and you'll need to enter the bootloader on your device with the following command again: adb reboot bootloader 6. Enter the flash command With all of your Factory Image files extracted into the platform-tools folder and accessible. You can now run the following command (with your open Command Prompt/PowerShell window): flash-all Your Pixel will now begin the process of downgrading Android 12 to Android 11, which will take a few minutes. Leave the Command Prompt window open, and when the process has finished, you will see a completion message. This is an optional step but is needed if you want to get future OTA updates. Otherwise, you'll see a pop-up splash screen with a warning each time you reboot your device. You will need to go through the device setup process again, which you can skip wholesale. From here, go back and re-enable USB debugging from step No 2 — your bootloader is unlocked so OEM unlocking should be grayed out. Plug your device back into your Windows PC and open your platform-tools folder and reopen a Command Prompt window using the "cmd." Enter the following command to quickly load into your device bootloader: adb reboot bootloader Now we can re-lock the bootloader by entering the following: fastboot flashing lock On your Pixel, using the volume keys, scroll to the "lock the bootloader" option and tap the power button to accept. When confirmed "locked" will appear on screen within the bootloader menu. Note: This process will wipe your device a further time once you reboot your Pixel. 8. Reboot your phone You can now disconnect your device and reboot as you have successfully downgraded from the Android 12 developer preview or beta to Android 11. It should now load into the device setup process, allowing you to sign up and enjoy your stable Android build. It's also worth noting that this method will work if you do wish to downgrade from Android 12 to Android 11 on devices such as the Pixel 3 and Pixel 4. However, we do not recommend doing so, as this brings about various device security risks and further potential issues. That said, if you do choose to downgrade from one Android version to another, then you do so at your own risk. On older builds, the Pixel 4 will also lose access to Face Unlocking should you go back from Android 11 to Android 10. Dylan Roussel and Kyle Bradshaw contributed to this guide. More Android Basics: FTC: We use income earning auto affiliate links. More: Check out 9to5Google on YouTube for more news: Google's pushed a new version of Android 11 to the Pixel 3, Pixel 3 XL, Pixel 3a, Pixel 3a XL, Pixel 4, Pixel 4 XL, Pixel 4a, Pixel 4a 5G, Pixel 5, and Pixel 5a and the software brings some much-needed bug fixes with it. Android 11 has been out for a while now and we continue to see numerous complaints about bugs and performance issues. Google's addressed some of these problems in a new version of Android 11. The September Pixel update is currently rolling out to Pixel 3, Pixel 4, and Pixel 5 models. In this guide we'll take you through the current state of Android 11 problems. We'll also provide you with some potential fixes, show you where to find feedback about the Android 11 update, show you where to report bugs, and tell you about what's coming next from Google. Prepare for the Update You might be tempted to install the latest version of Android 11 right now. However, before you tap download, make sure you prepare yourself, and your device, for the move. You can't predict exactly how the software will run on your Pixel. Some of you might see a performance boost, others will run into bugs or performance issues. Preparing for the installation will help you cut down the number of potential issues you might encounter. We've put together a guide that will take you through the pre-installation process we use before we install new Android software on our Pixel devices. If you don't have a ton of time to devote to the pre-installation process, you'll want to make sure all of your files are all properly backed up. Data loss issues are rare these days, but this is still an important step to take before you make the transition from Android 10 to Android 11 or from one version of Android 11 to another. Pixel Android 11 Problems Some Pixel users are running into installation issues. If you're experiencing issues with the Android 11 installation process, take a look at our guide. Pixel users are also complaining about a variety of other problems including connectivity issues, issues with first and third-party applications, abnormal battery drain, UI lag, sound issues, multitasking problems, issues with media controls, and a whole lot more. Android 11 reportedly breaks support for gaming controllers including Sony's DualShock 4 control and Google's own Stadia controller. The issue has been ongoing for months and it's unclear when, or even if, Google will release a solution. We expect the list of Android 11-related problems to grow as more people download and install the latest version of the operating system. Where to Find Feedback & Report Problems We'll continue to see feedback about the latest Android 11 update emerge on sites like Twitter and YouTube. You'll also find useful Android 11 feedback on Google's Pixel Help Forums and sites like XDA-Developers. Short-term feedback is extremely useful, but you'll also want to make sure you dig into long-term feedback from Android 11 users if you're feeling leery about the move to the operating system. If you do run into an Android 11-related issue on your Pixel you'll want to report your issue to Google. You can do so via the company's website or via the Pixel Help Forums. How to Fix Pixel Android 11 Problems If you've been struggling with one or more of these issues on your Pixel, you'll probably want to make the move to Google's latest Android 11 build. If encounter problems on your Pixel you can't rely on Google to fix them. New Android 11 builds won't come every week and every new release will have its own set of problems. If you encounter a bug or performance issue, you'll want to try fixing it on your own before getting in touch with Google's customer service. We've put together guides that will take you through the most common issues impacting the Pixel 2, Pixel 3, and Pixel 4. You can start there. If you're unable to find a fix for your problem there, you'll want to take a look at Google's Pixel help forum or XDA's Pixel 2, Pixel 3, Pixel 3a, Pixel 4, Pixel 4a, and Pixel 5 forums. What's Next With the official Android 12 release getting closer, we may not see another version of Android 11. Google is currently working on Android 12 and the operating system is currently in testing ahead of an official release in September. The company hasn't confirmed an official date yet. If your device is really struggling on Android 11, you might try downloading Google's Android 12 beta. You can always move your phone back to Android 11 if you don't like Android 12's performance. 7 Reasons to Wait for the Galaxy S21 & 5 Reasons Not ToA report from SamMobile claims the Galaxy S21 series will launch in early January with a release in late January or February. These reports have been backed by a different report out of Korea. This one claims that Samsung will launch the Galaxy S21 series in January with a release coming later in the month. Leaker Jon Prosser, who has leaked accurate information about unreleased products in the past, says the Galaxy S21 is slated to launch on January 14th followed by a release a few weeks later on January 29th. A report from Reuters throws its weight behind the early release. The publication says Samsung "may launch its flagship Galaxy S smartphones more than a month earlier than expected in a bid to grab market share from Huawei and fend off competition from Apple." Samsung has all but confirmed an early launch in a recent press release and in comments made to Korean outlet ZDNet. An unnamed Samsung official says because "the market environment is changing rapidly, it is true that it is not possible to guarantee whether the usual unpacking schedule will continue as it is." Samsung India has also confirmed the Galaxy S21 launch for January 14th. And in a bit of surprise, the company says it's now taking pre-orders for the unannounced devices. The Galaxy S21 Ultra has also been granted regulatory approvals which is a necessary step ahead of a public release. Everything is pointing to an arrival in January. So if you're interested in a new Galaxy S device, you might want to put your credit card away and wait. One additional note: It looks like the Galaxy S21 series will debut by itself. Korean media believes Samsung's new flagship foldable phone, the Galaxy Z Flip 2, will arrive later in Q1. This is notable because the original Galaxy Z Flip debuted alongside the Galaxy S20 series. So if you're interested in a new Galaxy flagship, and you want to compare the Galaxy S21 to Samsung's new foldable, you might have to wait even longer.

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