

Click to verify



If your Samsung mobile phone is stuck on the Google account verification screen that says "This device was reset. To continue, sign in with a Google account that was previously synced on this device", then you're facing a Google FRP lock (also known as Google Factory Reset Protection). In such a case, you have to enter the specified Google account and the correct password to get into the phone. But what if you forgot your Google account or password and can never get it back? Or what if you bought a second-hand Samsung phone with a FRP lock and can't get in touch with the seller? Don't worry. In this article, we will teach you how to bypass Google FRP lock on Samsung Galaxy S6/S7/S8/S9/7a/20 and other series of Samsung phones. Way 1: Bypass FRP Lock on Samsung phone with PC First of all, we would like to recommend a professional and powerful Android unlocking tool for PC - iJussoft Android Password Refixer, which is specially designed to bypass FRP lock on Samsung phones. You just need to follow the steps below. iJussoft Android Password Refixer Unlock Any Android Phone & Bypass Google Locks (FRP) in Minutes Bypass FRP or Google Account Verification on Samsung, Vivo, Xiaomi, Redmi devices Remove Android 4-digit/6-digit passwords, PIN, patterns, fingerprints, Face ID One-click factory reset for Samsung devices (free) Compatible with almost all Android phones and tablets, including Samsung, Xiaomi, Vivo, Redmi, OPPO, LG, Motorola, and etc. Supports Android 14 FREE DOWNLOAD FREE DOWNLOAD Step 1: Install Android Password Refixer on your PC. Download iJussoft Android Password Refixer software from any browser on your PC. When the download is complete, double-click the downloaded .exe file to open the setup wizard. Then follow the wizard to install iJussoft Android Password Refixer on your PC. After installation, launch the software directly from the desktop shortcut. Step 2: Connect your Samsung phone to the tool. Make sure the iJussoft Android Password Refixer is open on your PC and connect the Samsung phone to your PC via a USB cable. The software needs a specific Samsung USB driver installed on the computer to recognize the Samsung phone. If a driver installation prompt is displayed at the top of the software interface, it usually means that the corresponding driver has not been installed on your computer. So, you can simply click Install to install the driver. Once the driver is installed, the software will establish a connection with your Samsung phone. Step 3: Select Unlock Google Lock (FRP). Choose the "Unlock Google Lock (FRP)" option from the two options given in the software menu. Step 4: Select the optimal solution. The tool is designed with a number of different options to bypass the FRP lock on Samsung phones with different Android versions. Among these options, the first one is the best solution for all Android versions, allowing you to bypass FRP lock on any Samsung phone without just with one click. So, choose the first option, All Android Versions, and then click Next to proceed. Step 5: Enable USB debugging on your Samsung phone. Now you need to follow the instructions given on the software screen to get your Samsung phone into the diagnostic menu. The procedure is as follows. 1. On your Samsung phone's Welcome/Startup screen, tap the Emergency Call button. 2. Type "#0*#" on the dialer and the diagnostic menu will appear on your phone. 3. Click Next on the software page and the software will send a notification to your phone. Once your Samsung phone receives the notification from the software, it pops up an "Allow USB debugging" dialog box. In this dialog box, check the "Always allow from this computer" checkbox, and then tap Allow. This allows your Samsung phone to fully communicate with your PC so that the tool can bypass the FRP lock. After that, click on Next on the software page, and the software will immediately begin sending commands to your Samsung phone to bypass the FRP lock. Step 6: Bypass FRP lock on Samsung phone. Soon, you will notice the message "Removed Google lock successfully" on the program screen, indicating that you have successfully bypassed the FRP lock on your Samsung phone. Your phone will then reboot itself and go straight to the home screen without you having to set it up manually or verifying any Google account. You can then continue using your phone and add new Google accounts. Way 2: Bypass Samsung FRP lock on Samsung phone without PC If you're wondering how to bypass FRP lock on Samsung phone without a PC, this method is for you. It doesn't work on all Samsung phones, but you can still give it a try. Like Apple's iCloud activation lock, the security of Google's FRP lock is also very high, which means that it is not easy to bypass it without the Google account and password. However, software is written by human beings, so there will inevitably be loopholes or bugs. Someone has found an Android system vulnerability that can bypass the Google FRP lock on Samsung mobile phones without using PC or software tool. The specific steps are as follows. Step 1: Get to the Help page. On the "Verify your account" screen, tap the "Email or phone" field (in which the Google account should be entered). When the keyboard appears, tap and hold the @ symbol until the Settings menu pops up. Choose Google Keyboard Settings from the menu. Tap the three dots in the right upper corner. Select Help & Feedback from the list and choose the item you want. Step 2: Access Settings menu. On the Help page, select "Using Google Keyboard". Long press any text to select it, and then tap "WebSearch" in the upper right corner. When a search field comes up, delete the existing text inside and type "Settings" in it. Step 3: Bypass FRP Lock. After accessing the Settings menu, select About Phone or About Device. Find the Build Number, and then tap it seven times in a row. This will activate the Developer Options menu. On the Developer Options menu, turn on OEM unlocking, and then tap "back" twice. That's it! The steps required to bypass the Google FRP lock have all been complete. Now restart the Samsung phone. When it turns on again, choose your language and connect to a Wi-Fi network. This time, the Samsung phone should not ask for Google account verification, but will ask you to use a new Google account to activate the phone. Related Articles Note: The device may be unlocked only with the user's authorization. Many users recommended. Bypass Samsung FRP in a few clicks FRP represents Factory Reset Protection. The main purpose of FRP is to enhance the security of your device through a built-in feature that is enabled automatically following the registration of a Google account on your device. This single feature can protect your data, and enhance data encryption to give users a superior security experience. While we understand the importance of FRP, there are times when the original users will need to bypass this FRP lock for certain reasons. But you do not need to worry since this article will equip you with all the knowledge you need to bypass Samsung FRP without PC. 1.1 Bypass FRP with Samsung Galaxy Apps Some Galaxy Apps enable the Samsung FRP bypass. To do this, you will need to download the App and follow the instruction below. Steps to Bypass FRP with Samsung Galaxy Apps Step 1: Press the power button on your phone. And connect your device with Wi-Fi. Step 2: Tap on Next, then the google sign-in will come up. Here press the home button three times to access Voice-to-text. Step 3: Drag and draw L on your phone. Double-tap the options list and select Text-to-speech setting. Step 4: Now tap the Home button three times to deselect Voice-to-text. Step 5: Surf for Samsung Galaxy Apps from your internet browser. Then navigate to Samsung's official website, browse for UC Browser and download the App. The internet browser will be available under The User Manual at the top edges of the screen. Step 6: Download and install any reliable Samsung FRP bypass App. Double tap the three-dot at the top edge and choose the sign-in option of the browser. Step 7: Create a new Google account and restart your phone. Now you can enjoy your phone again. Cons Not suitable for all Android devices. Requires an efficient internet connection. No official support to seek help from. The operation steps are complicated. 1.2 Bypass FRP with SIM PIN Code If you have any reason to achieve Samsung FRP bypass without pc, here is a step-to-step guide to put you through and help you achieve this with your SIM Code. Steps to Bypass FRP with SIM PIN Code Step 1: Start the process by removing the sim card from your phone. Now connect your device to a Wi-Fi. Step 2: Inserted the SIM card again. Type your PIN code incorrectly 3 times. Step 3: You will be asked to give your PUK code next. Keep typing incorrect PUK numbers until the SIM card becomes unusable. Step 4: Tap on the padlock icon on lock screen, and it will open a new menu option. There you will see the notification setting option at the top corner of the screen. Step 5: Select the See All option. Look for the YouTube App and then go to Settings > History and Privacy > Youtube Terms of Services. Step 6: This will take you to Google Chrome browser, where you select Accept and continue. Then choose Next > No Thanks. Step 7: Find a reliable FRP bypass tool to unlock FRP on the browser. Go to Settings > Security > Pin Windows > Use Screen lock type to Unpin. Step 8: After setting up a PIN code, restart your phone. Now you can use your Samsung without signing in to your initial Google account. Cons Complicated and long steps. May not work for all devices. The success rate is under question. 1.3 Bypass FRP Samsung with FRP Bypass APK If you find yourself without access to a PC and need to remove the FRP lock on your Samsung device, you can try another method to bypass FRP - using an FRP bypass APK. Here are how you can do it: Step 1: Connect your Samsung device to a Wi-Fi network. Step 2: Tap the arrow next to the Wi-Fi network and click "Manage Network Settings." Step 3: Tap on "Static IP > IP Address." Step 4: Type anything in the IP address space, and then long-press until you see the "Web Search" option. Step 5: Search for "FRP Bypass APK and download it." 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In addition to FRP bypass, iDellock can remove various screen locks, such as passwords, PINs, patterns, fingerprints, and Face ID. With its user-friendly interface, you can unlock your device in just a few minutes with a few clicks. iDellock also provides 24/7 customer support, allowing users to contact the service team anytime. Free DownloadSecure DownloadComing SoonSecure Download Watch the video to bypass Google FRP easily: Steps to bypass FRP with WooTechy iDellock (Android) Step 1: Download the app iDellock (Android) on your PC and choose the Remove Google Lock (FRP). Connect your device to your personal computer using an original USB cable. Step 2: Now proceed to select your system version and click on Start. Step 3: Click on "Confirm" to communicate your device with PC. Step 4: After several minutes, you can enjoy your device using the new Google account. Pros Suitable for various Android devices and system version including Android 13. You can bypass FRP lock of Samsung, Xiaomi and Redmi in just a few steps. Excellent for unlocking all kinds of Android locks, including PINs, passwords, patterns, fingerprints, face ID etc. The high success rate makes it highly recommended by many users. Conclusion Given that protecting the personal information on your phone is important, keeping your device safe is one of the most important things to keep in mind. The high security of WooTechy iDellock (Android) makes virus and malware intrusion impossible. In addition, the operation steps of iDellock (Android) are very simple. You can bypass FRP on your Samsung device without technical experience. While there are multiple options for bypassing FRP without a PC, opting for one that guarantee result is the best way to free yourself of any worry. You can achieve this with the WooTechy iDellock (Android) process explained above. Download NowSecure DownloadComing SoonSecure Download Note: The device may be unlocked only with the user's authorization. Many users recommended. Bypass Samsung FRP in a few clicks FRP represents Factory Reset Protection. The main purpose of FRP is to enhance the security of your device through a built-in feature that is enabled automatically following the registration of a Google account on your device. This single feature can protect your data, and enhance data encryption to give users a superior security experience. While we all understand the importance of FRP, there are times when the original users will need to bypass this FRP lock for certain reasons. But you do not need to worry since this article will equip you with all the knowledge you need to bypass Samsung FRP without PC. How to Achieve Samsung FRP Bypass Without PC. 1.1 Bypass FRP with Samsung Galaxy Apps Some Galaxy Apps enable the Samsung FRP bypass. 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With this "tool" you can bypass the FRP (Factory reset protection) on Samsung devices that have a security patch older than August 2022 (this basically means in S series up to S9 or even maybe S10 and in A series upto Axx devices like A10, A30, etc.) (almost) entirely in your browser Why I say almost, is because to connect to the device you would need to have the Samsung USB driver installed, which you can download from here Other than that, everything happens in the browser and locally on your computer, no server-side processing Make sure you are using a chromium based browser (Chrome, Edge, Brave, Opera,...) Make sure drivers are installed On your phone click "Emergency Dialer" (Type "#0*#" to enter "Test mode" When you are there, connect your device to your computer with a USB cable Either open the demonstration site or run the code in this repository locally In the tool select "Connect" in the WebSerial section In the popup dialog select your device (For me it's something along the lines of "CDC Abstract Control Model (ACM) (COM16)") After you have connected to your device, just click the buttons in order If you are done with that, click "Disconnect" Next repeat the same steps in the WebUSB section (Connect, Click buttons in order) If you have done everything correctly, after clicking the "Reboot" button your device should restart and you should be either on the lock screen or in the system On some devices you will still need to continue with the setup Update: An automated version is now available here Get the demo Cause the command "AT+DEUCLVC" causes the USB connection to disconnect, causing the demo to stop. Refresh the site and reconnect to the device. If you get it again and continue with the procedure WebADB for webadb.js is risky for the AT and ADB commands The source code can be found here Last edited: May 1, 2025 Reactions: MoshPuia, Coldblackice, iShacker and 1 other person 1 History and Privacy > Youtube Terms of Services. Step 6: This will take you to Google Chrome browser, where you select Accept and Continue. Then choose Next > No Thanks. Step 7: Find a reliable FRP bypass tool to unlock FRP on the browser. Go to Settings > Security > Pin Windows > Use Screen lock type to Unpin. Step 8: After setting up a PIN code, restart your phone. Now you can use your Samsung without signing in to your initial Google account. Cons Complicated and long steps. May not work for all devices. 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Excellent for unlocking all kinds of Android locks, including PINs, passwords, patterns, fingerprints, face ID etc. The high success rate makes it highly recommended by many users. Conclusion Given that protecting the personal information on your phone is important, keeping your device safe is one of the most important things to keep in mind. The high security of WooTechy iDellock (Android) makes virus and malware intrusion impossible. In addition, the operation steps of iDellock (Android) are very simple. You can bypass FRP on your Samsung device without technical experience. While there are multiple options for bypassing FRP without a PC, opting for one that guarantee result is the best way to free yourself of any worry. You can achieve this with the WooTechy iDellock (Android) process explained above. Download NowSecure DownloadComing SoonSecure Download Note: This is for educational and research purposes only. Please do not use this on devices that are not your own. 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Select "Don't Restore" during setup, bypassing security protocols. Access Settings > About Phone > Software Information, tapping "Build Number" seven times to enable Developer Mode. Activate USB Debugging and OEM Unlock in Developer Options. From "About Phone," select "Reset" > "Factory Data Reset," connecting via USB. Alternatively, initiate the factory reset via the "Start" button on the Wi-Fi setup screen. This process bypasses security measures, but it only works for Android devices manufactured by Samsung. If encountering Samsung FRP bypass TalkBack not working, utilize Tenorshare 4uKey for Android to bypass FRP locks on Samsung, Xiaomi, Redmi, Vivo, OPPO, Realme, OnePlus, Huawei, and Motorola devices without a password or Google account. Laviteztechservice.com is a resourceful website that provides various tools and methods for bypassing Factory Reset Protection (FRP) on Samsung devices. If users find themselves locked out of their devices, Laviteztechservice offers step-by-step guides and downloadable APKs to help them regain access. Ensure your Samsung device is reset to factory settings is reset to factory settings. Connect your device to a stable Wi-Fi network. Open the browser on your device and navigate to laviteztechservice.com. Search for Andoes Launcher APK on the site. Follow any prompts to download the APK file. You may need to block ads during this process. Once downloaded, locate the APK file in your downloads and tap to install it. If prompted, allow installations from unknown sources in your device settings by going to Settings > Lock Screen & Security > Other Security Settings > Device Administrators. Navigate to Settings > Apps, then select Show System Apps. Find and disable both Google Account Manager and Google Play Services. Return to your downloads and install the Technocare APK, which you may have downloaded earlier from Laviteztechservice. Go back to Settings > Accounts > Add Account > Google. Enter the details for a new Google account. If you encounter an error message, proceed with the next steps until successful. Follow the setup wizard, ensuring you select options that do not restore previous accounts. After setup, go back into settings and re-enable any necessary device administrators like Google Play Store. Important: The website may occasionally be down or inaccessible due to server issues or maintenance, making it impossible to download necessary tools or follow the instructions provided. Explore commonly asked questions and answers regarding Samsung Google account bypass methods below. 1. How to remove factory reset protection on Samsung? To avoid encountering the FRP lock in the future, it is advisable to disable Factory Reset Protection on Samsung before performing a factory reset on your Android phone. Follow these steps to disable Factory Reset Protection and prevent Samsung FRP bypass: Navigate to Settings > Accounts and backup > Manage accounts. You will find a list of all Google accounts linked to the device. Select one and tap "Remove account." Repeat this process for any additional accounts. Once all Google accounts are removed from your Samsung phone, Factory Reset Protection will be disabled. Now you don't need to bypass FRP Samsung after factory reset. 2. How to reset a Samsung phone that is locked Google account? Steps of resetting a Samsung phone may vary slightly depending on your phone model and Android version. Watch the video below to find out how to reset a samsung phone that is locked google account. You will have to face something like, Samsung FRP bypass verify, or Google account verification every time you make a factory reset. No matter when you ask how to bypass Google account on Samsung, you can use Tenorshare 4uKey for Android or any one of the methods above. Also, if you have a locked Samsung or other Android phone, you can use Tenorshare to bypass Samsung FRP screen/password/pattern/pin. Register/ Login then write your review 2016 Android smartphone Not to be confused with Samsung Galaxy Tab S7. Samsung Galaxy S7/Samsung Galaxy S7 Edge/Samsung Galaxy S7 Active/Samsung Galaxy S7 in White and S7 Edge in Gold/Brand/Samsung Manufacturer/Samsung Electronics/Type/Smartphone/Slogan/Beyond Barriers/Rethink What A Phone Can Do/More Than A Phone (Indonesia)/Series/Galaxy S/First released/S7 and S7 Edge: March 11, 2016; 9 years ago (2016-03-11) S7 Active: June 10, 2016; 9 years ago (2016-06-10) [1]Discontinued/April 21, 2017; 8 years ago (2017-04-21) Note/s according to a report from Strategy Analytics, the combined sales of the two smartphones reached 55 million units at the end of the first quarter of 2017. In the first three months of the year, the tech giant sold 7.2 million units of last year's flagships.Predecessor/Samsung Galaxy S6/Successor/Samsung Galaxy S8/Released/Samsung Galaxy A3 (2017), Samsung Galaxy A5 (2017), Samsung Galaxy A7 (2017)/Compatible networks/2G GSM/GPRS/DGCE - 850, 900, 800, 1900 MHz/2G CDMA - 1xRTT - 800, 850, 1900 MHz/2G U.S./ISDP4/HSU/PHS/A+ - 850, 900, AWS (1700), 1900, 2100 MHz/4G LTE - Bands 1-5, -7, 8, 12-13, 17-20, 25-26, 28-30, 38-41/Form factor/Screen dimensions/S7,142.4 mm (5.61 in) H69.6 mm (2.74 in) W7.9 mm (0.31 in) D S7 Edge:150.9 mm (5.94 in) H72.6 mm (2.86 in) W7.7 mm (0.30 in) D S7 Active:148.8 mm (5.86 in) H74.9 mm (2.95 in) W9.9 mm (0.39 in) D Weight/S7: 152 g (5.4 oz) S7 Edge: 157 g (5.5 oz) S7 Active: 184.8 g (6.52 oz) Operating system/Original: Android 6.0.1, Marshmallow/with TouchWiz UX/Current: Android 8.1, "Oreo" with Samsung Experience 9.5/Unofficial alternative: Up to Android 12, One UI 4.1/System-on-chip/Google: Samsung Exynos 8890 USA and China: Qualcomm Snapdragon 820 CPU/Exynos: Octa-core (4x2.3 GHz Mongoose & 4x 1.6 GHz Cortex-A53) Snapdragon: Quad-core (2x2.15 GHz Kryo & 2x1.6 GHz Kryo) GPU Exynos: Mali-T880 MP12 Snapdragon: Adreno 530 Memory/4 GB LPDDR4/8 GB LPDDR4/Storage/32, 64 or 128 GB UFS 2.0/Removable storage/microSDXC, expandable up to 256 GB/SIM1 or 2x nanoSIM/Battery/All internal: S7: 3,000 mAh, 3.85 V S7 Edge: 3,600 mAh S7 Active: 4,000 mAh Charging/Wireless: Qualcomm Quick Charge 2.0 up to 15 W/Wireless: [Q] (standard)/[Qi] and AirFuel Inductive wireless charging up to 7.5 W/Rem camera/Samsung ISOCELL S5K21L or Sony Exmor RS IMX26012] 12 MP (4032x3024), 1.4 μm pixel size, f/1.7 aperture,[314] 2160p(4K) at 30fps(limited to 10 m since Android 7 update), 1440p(OHD) at 30fps, 1080p at 30/60fps, 720p at 30/60fps, real-time slow motion video recording at 720p/240fps[5]Front camera/Samsung S5K4E6 5 MP (2592x1464), f/1.7 aperture, 1440p/1080p/720p video recording(6)Display/S7: 5.1 in (130 mm) 227 ppi(577 ppi) S7 Edge: 5.5 in (140 mm) 210 ppi(534 ppi) S7 Active: 5.1 in (130 mm) 227 ppi(576 ppi)Quad HD Super AMOLED 2560x1440 pixel resolution (16:9 aspect ratio) (all Display PenTile)External display/Always-on display/Connectivity/Wi-Fi 802.11a/b/g/n/ac (2.4 & 5 GHz), Bluetooth 4.0, LTE/TEWwater resistance/IP68, up to 1.5 m (4.9 ft) for 30 minutes/Motion-M-G390 (S5) /SM-G935F (S7 Edge) /SM-G891A (S7 Active) (Last letter varies by carrier and international models) CodeName/project/Herolte (herolte), herolte2) Penequin (S7 Active)[7]Website/www.samsung.com/global/galaxy/series/ S7 Samsung Galaxy S7 Edge and Samsung Galaxy S7 Active are Active and Active-based smartphones manufactured, which is twice the device marketed by Samsung Electronics. The S7 series served as the successor to the Galaxy S6. S6 Edge, S6 Edge Plus and S6 Active released in 2015. The S7 and S7 Edge were officially unveiled on 21 February 2016 during a Samsung press conference at Mobile World Congress, with a European and North American release on 11 March 2016.[8][9] The S7 Active was unveiled on 4 June 2016, and released on AT&T in the United States on 10 June 2016.[1] The Galaxy S7 was an evolution of the prior year's model, with upgraded hardware, design refinements, and the restoration of features removed from the Galaxy S6, such as IP68 certification for water and dust resistance, as well as expandable storage with a MicroSD card. Succeeding the S6 and S6 Edge^[a], respectively, the S7 was produced in a standard model with a display size of 5.1-inch (130 mm) as well as an Edge variant whose display is curved along the wide sides of the screen and also has a larger 5.5-inch (140 mm) display. The S7 Active features a thicker and more rugged frame, with an increased battery capacity. The Galaxy S7 and S7 Edge are the last two phones in the Samsung Galaxy S series to have a physical home button with a front-sided fingerprint sensor embedded in the button. The S7 Active is the last in the Active series to feature three physical buttons with the fingerprint reader embedded home button, when not considering the prematurely discontinued Galaxy Note 7. It is the last phone in the Samsung Galaxy S series to be equipped with a microUSB port, which has since been replaced with USB-C technology. The Samsung Galaxy S7 was succeeded by the Samsung Galaxy S8 in April 2017. Gold Galaxy S7 showing the headphone jack, micro USB 2.0 port, microphone and speaker grill The Galaxy S7's hardware design is largely that of the S6. Samsung removed the built-in infrared blaster due to low demand.[10] The device retains the metal and glass chassis, but with refinements such as a rectangular home button, and a lower protrusion of the camera. Both models were available in black and gold colors; white, pink, blue and silver versions are available depending on market.[11][12] As a Worldwide Olympic Partner, special editions of the Galaxy S7 Edge were released by Samsung for the 2016 Summer Olympics, with a dark blue body and hardware and software accents inspired by the colors of the Olympic rings. The devices were sold in limited quantities in selected markets, and were given to athletes participating in the 2016 Summer Olympics.[13] [14] In October 2016, Samsung announced a new light blue ("Blue Coral") color option, as previously offered on the recalled Galaxy Note 7.[15] The Galaxy S7 Edge is equipped with software that allows the curved edge to act as a roller, a night clock and various visual notification features such as the Edge notification link[16] for phone calls and incoming messages, of which the preferred colour can be selected for five contacts. 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There is an additional setting that allows adjusting the brightness of the built-in LED lamp when used as a torch between five brightness levels.[11][17] The S7, S7 Edge & S7 Active are IP68-certified for dust and water resistance; unlike the Galaxy S5, the ports are sealed and thus do not require protective flaps.[8][9] The S7, S7 Edge & S7 Active feature a 1440p Quad HD Super AMOLED display; the S7 & S7 Active both have a 5.1-inch panel, while the S7 Edge uses a larger 5.5-inch panel. As with the prior model, the S7 Edge's screen is curved along the side bezels of the device.[8][9] The charging port of the Galaxy S7 is equipped with a moisture sensor. When it detects moisture inside the USB port, wired charging is deactivated to prevent damage to the equipment.[18][19][20] All three models (S7, S7 Edge & S7 Active) have larger batteries in comparison to the S6, with 3000 mAh, 3600 mAh & 4000 mAh capacity respectively and support for AirFuel Inductive (formerly PMA) and Qi wireless charging standards; however, the S7 still uses a microUSB Type-B connector.[8][9][21][22] For wired charging, Qualcomm Quick Charge 2.0 up to up to 15 watts is supported.[23] Wireless charging is supported with 7.5 watts of effective power through a Qi 1.2 supported wireless charging plate connected to a Qualcomm Quick Charge 2.0 USB charger.[24][25] Samsung claims the Galaxy S7 is able to be fully charged using wired and wireless fast charging within 90 and 140 minutes respectively, while 100 and 160 minutes respectively on the S7 edge.[26] Fast charging is disabled while the device is in operation.[27] The Galaxy S7 and S7 edge feature a Penequin (S7 Active)[7]Website/www.samsung.com/global/galaxy/series/ S7 Samsung Galaxy S7 Edge and Samsung Galaxy S7 Active are Active and Active-based smartphones manufactured, which is twice the device marketed by Samsung Electronics. The S7 series served as the successor to the Galaxy S6. S6 Edge, S6 Edge Plus and S6 Active released in 2015. The S7 and S7 Edge were officially unveiled on 21 February 2016 during a Samsung press conference at Mobile World Congress, with a European and North American release on 11 March 2016.[8][9] The S7 Active was unveiled on 4 June 2016, and released on AT&T in the United States on 10 June 2016.[1] The Galaxy S7 was an evolution of the prior year's model, with upgraded hardware, design refinements, and the restoration of features removed from the Galaxy S6, such as IP68 certification for water and dust resistance, as well as expandable storage with a MicroSD card. Succeeding the S6 and S6 Edge^[a], respectively, the S7 was produced in a standard model with a display size of 5.1-inch (130 mm) as well as an Edge variant whose display is curved along the wide sides of the screen and also has a larger 5.5-inch (140 mm) display. The S7 Active features a thicker and more rugged frame, with an increased battery capacity. The Galaxy S7 and S7 Edge are the last two phones in the Samsung Galaxy S series to have a physical home button with a front-sided fingerprint sensor embedded in the button. The S7 Active is the last in the Active series to feature three physical buttons with the fingerprint reader embedded home button, when not considering the prematurely discontinued Galaxy Note 7. It is the last phone in the Samsung Galaxy S series to be equipped with a microUSB port, which has since been replaced with USB-C technology. The Samsung Galaxy S7 was succeeded by the Samsung Galaxy S8 in April 2017. Gold Galaxy S7 showing the headphone jack, micro USB 2.0 port, microphone and speaker grill The Galaxy S7's hardware design is largely that of the S6. Samsung removed the built-in infrared blaster due to low demand.[10] The device retains the metal and glass chassis, but with refinements such as a rectangular home button, and a lower protrusion of the camera. Both models were available in black and gold colors; white, pink, blue and silver versions are available depending on market.[11][12] As a Worldwide Olympic Partner, special editions of the Galaxy S7 Edge were released by Samsung for the 2016 Summer Olympics, with a dark blue body and hardware and software accents inspired by the colors of the Olympic rings. The devices were sold in limited quantities in selected markets, and were given to athletes participating in the 2016 Summer Olympics.[13]