

Fix some common Wi-Fi issues on Android devices

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Many Android phone users often encounter problems related to Wi-Fi connection of the device. This is really a nuisance when you can't connect to the Internet for personal or business needs while Wi-Fi networks are available around you. The article will cover some errors that users often encounter with Wi-Fi when using Android, find the cause of the error and find solutions.

Fix some common Wi-Fi issues on Android devices

1. The device does not find Wi-Fi network
2. Wi-Fi loses connection frequently
3. Repeated acquisition of IP addresses
4. Wi-Fi does not work
5. Wi-Fi is very slow
6. Public Wi-Fi sometimes requires login

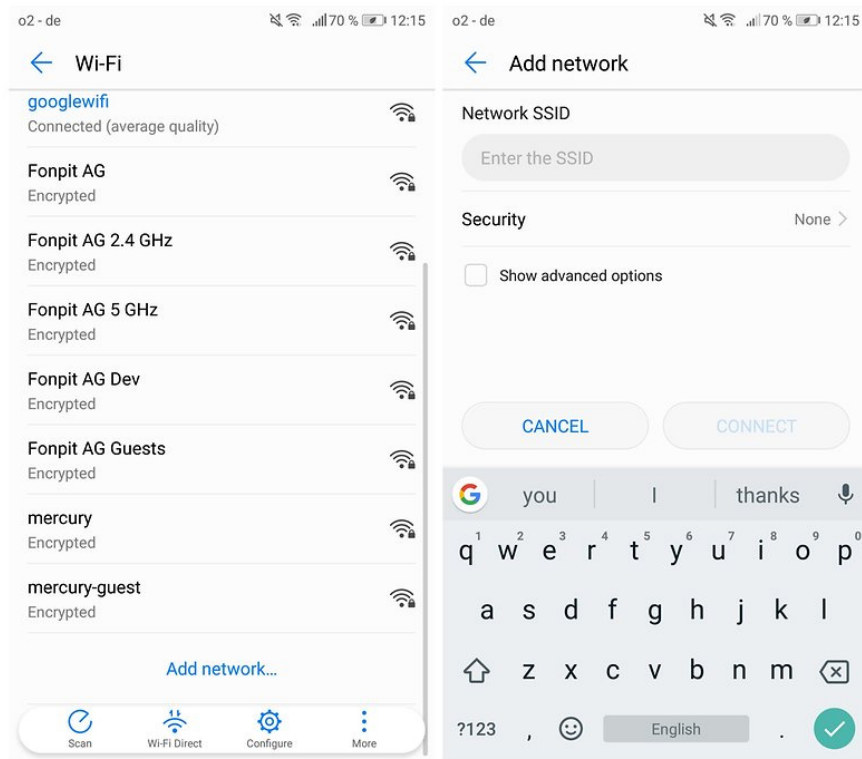
1. The device does not find Wi-Fi network

There may be two reasons why the device does not scan the network automatically. The first reason may be that the network of users who want to connect may be Ad-hoc. Since most Android phones are not configured to work on Ad-hoc networks but on access points, they do not scan the network. The second reason may be because Wi-Fi network has been hidden for some security-related reasons.

By default, the Android operating system does not support Wi-Fi Ad-hoc networks, but many developers have revised the wpa_supplicant file on Android to allow the device to be compatible with this network. But note that the patch only works on rooted phones. Furthermore, do not forget to save the original wpa_supplicant file in case an error occurs.

Warning : This solution is only for professional users, so consider it before doing so to avoid damaging your device.

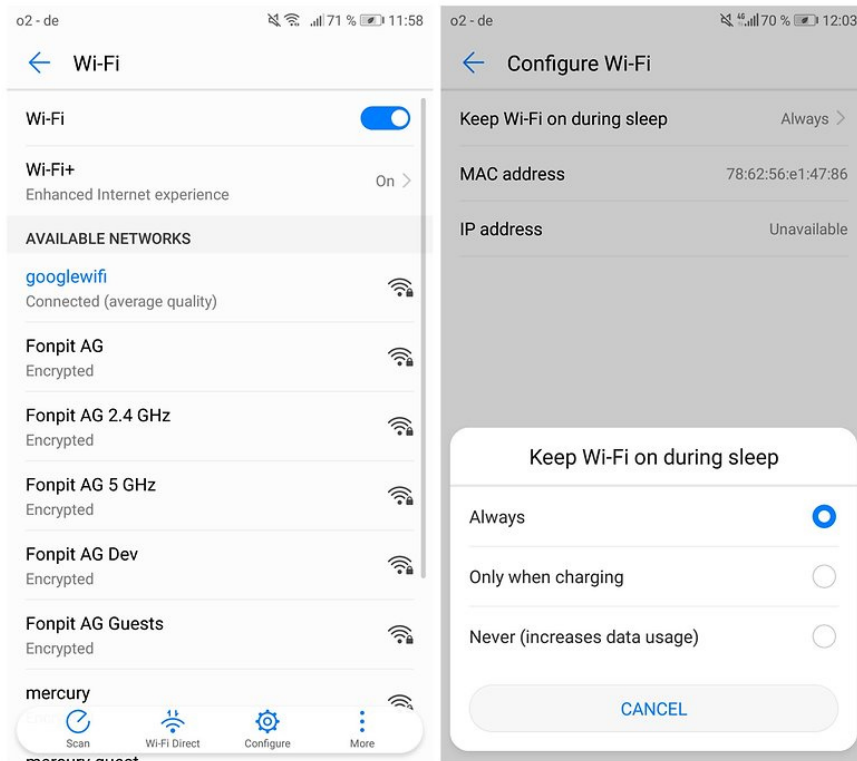
For hidden Wi-Fi networks, configure the Wi-Fi settings manually. Go to **Settings> Wi-Fi> Add network** . Then enter the correct SSID, authentication type and password to connect to the hidden network. When both authentication information is correct, the phone will be able to connect to the hidden network.



2. Wi-Fi loses connection frequently

The most obvious reason for this is that you have not enabled the **Keep Wi-Fi on during sleep option** . This setting will automatically disconnect the Wi-Fi connection to save battery power.

To change this, follow these steps:



1. Go to the **Settings** menu.
2. Select **Wi-Fi** , press the three dots at the bottom of the screen or **Configure cog**.
3. Click **Keep Wi-Fi on during sleep** .
4. Select **Yes / Always** to enjoy seamless connection.

However, when you enable this option, your battery capacity will be shortened. If you are using an intermediate battery saver application, check if the application is controlling Wi-Fi and other wireless services and configure it accordingly.

1. Android error Wifi connection is flickering, this is how to fix the error

3. Repeated acquisition of IP addresses

This may be due to an error on the Android OS. Many people have encountered the same error and it is really annoying when the problem is not fixed even after the device has been restarted.

The problem occurs as follows:

1. Device receives IP address
2. Disconnect
3. Scan for IP addresses

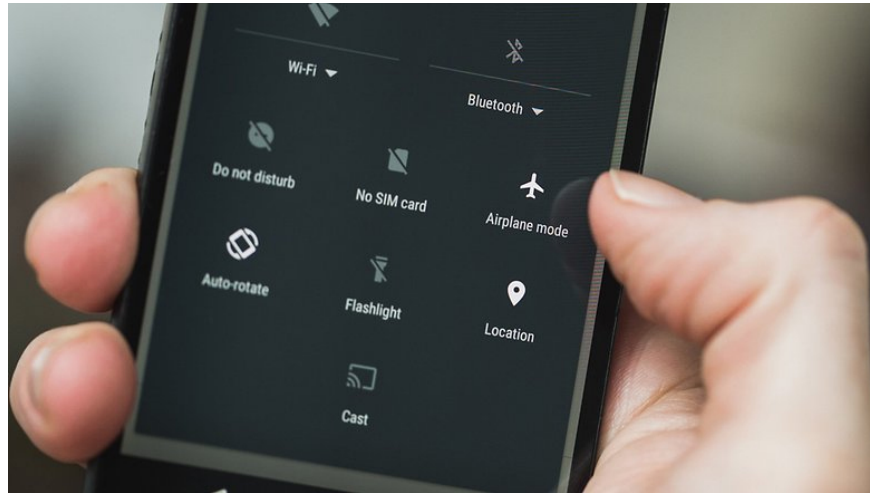
These three processes happen repeatedly to form infinite loops. Refer to the article [How to fix 'Obtaining IP Address' error on Android](#) to learn how to solve this problem.

4. Wi-Fi does not work

One advice for those looking for technology solutions is to never ignore the simplest measure. People often look for complex solutions but if Wifi doesn't work, a simple measure is to "turn it off and on" again. You should first turn off and re-enable the connection. Open the **Quick settings** menu by swiping down from the top of the screen and selecting the Wi-Fi icon to turn it off. If you don't see the Wi-Fi icon, go to **Settings** and disable it from there.

You do the same with your home router: turn it off and wait at least 2 minutes and turn it on again. Another simple solution is to turn on the airplane mode for a few seconds and turn it off, then check the connection again.

1. Why restart the router can fix many problems?



In case your Wi-Fi connection continues to cause problems, try restarting your device. If the problem has occurred after updating to Android Oreo, try restarting your smartphone in safe mode:

1. Press the power button.
2. From the options on the screen, keep the **Power off** option in seconds.
3. Select **OK** when asked if you want to restart in safe mode.
4. When in safe mode, restart your device as usual.



5. Wi-Fi is very slow

You can connect to the Internet but the problem here is that it is very slow, even unable to perform simple operations such as messaging and web browsing. If connecting to a public Wi-Fi network, this problem may be caused by network congestion because there are too many users at once.

If you are sure your router is running smoothly, the signal is strong enough, without interference, check your network speed with network testing tools. These tools are accurate and reliable services, and in seconds, you'll see the download and upload speeds, the actual ping of the network, to help you identify the problem.

If you have roots access, you can speed up the connection on your device by editing specific system files that contain TCP / IP configuration.

6. Public Wi-Fi sometimes requires login

Have you ever accessed a public Wi-Fi network but asked to login? Such public networks are similar to McDonald's and Starbuck stores in some countries, they require users to log in and accept terms and conditions before allowing you to connect.



You will be prompted to do this via a notification right after connecting, but it does not always happen. If you have managed to connect to a public Wi-Fi network, but your WhatsApp or another application does not update, try opening Chrome or your favorite browser and you will be redirected to the appropriate login page.

These are the most common errors on Android that users can face on their device and possible solutions that can be applied to fix the problem.

I wish you all success!

See more:

1. How to fix Bluetooth and Wifi connection errors on Android 8.0 Oreo
2. 7 things affect the speed of WiFi network
3. Instructions for use and security of Wifi network

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