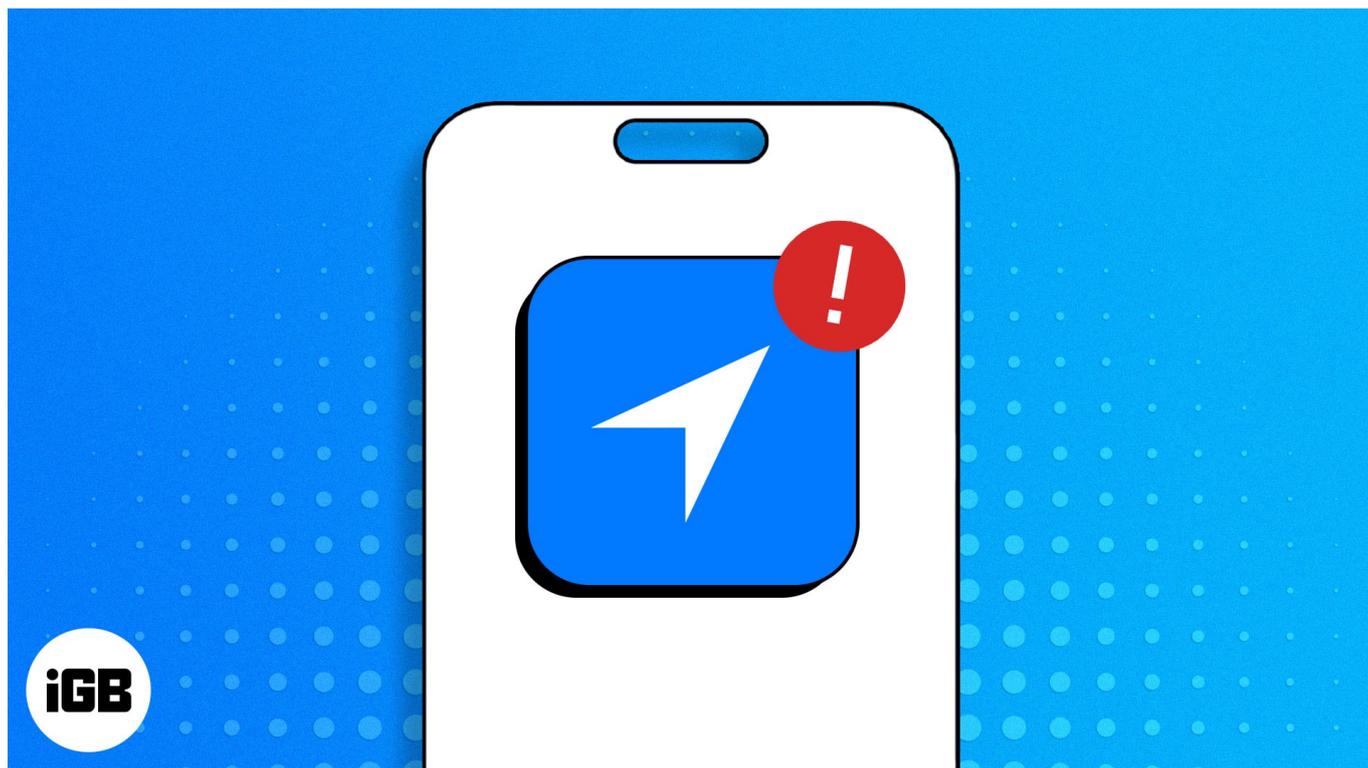


With the help of iPhone GPS, apps for maps, weather, and social media can work better and give you information based on where you are. So, if the iPhone GPS stops working when you are trying to use it for your daily commute, travel, or location-based apps, it can be a frustrating experience.



In this article, I'll discuss the causes behind the iPhone GPS not working issue and offer practical solutions to fix it.

Why is my GPS not working on my iPhone?

Several factors can affect the functionality of GPS on your iPhone. Here's a brief about some of the causes:

- Certain iPhone settings can stop GPS from functioning properly. For instance, if you have disabled Location Services, apps won't be able to detect where you are.
- GPS might malfunction if you're inside a building or place with weak or no radio signals.
- Having outdated map data can lead to GPS problems.
- GPS can malfunction due to some hardware failure inside the iPhone chassis.

- Maps can fail when the network is overloaded. VPNs, proxies, or custom network configurations can cause this.

Recently, many [Apple users from the community](#) have been coming forward to share their experience with GPS malfunctions. Fortunately, there are ways you can effectively troubleshoot this issue.

12 Ways to fix GPS not working on iPhone

Simply follow the solutions discussed below to pinpoint and rectify the underlying issues causing iPhone GPS inaccuracies.

1. Restart your iPhone

Let's begin by performing the easiest and oldest trick in the book. Personally, if my iPhone runs into any kind of bugs or errors, I restart my device. This trick tends to fix any software glitches disrupting my iPhone experience. So, give it a shot.

1. To do this, press and hold the **side button** and **volume up or down** button simultaneously.



- For an iPhone with the home button, press and hold the **side button** for a few seconds.
2. Wait for the **slider** to appear.
 3. Drag the slider from **left to right**.



4. Now, let your iPhone **rest** for a few moments.
5. Press and hold the **side button** until the Apple logo appears on your screen.



Once your iPhone has restarted, open the Maps app or any other GPS-based app to see if the problem has been resolved.

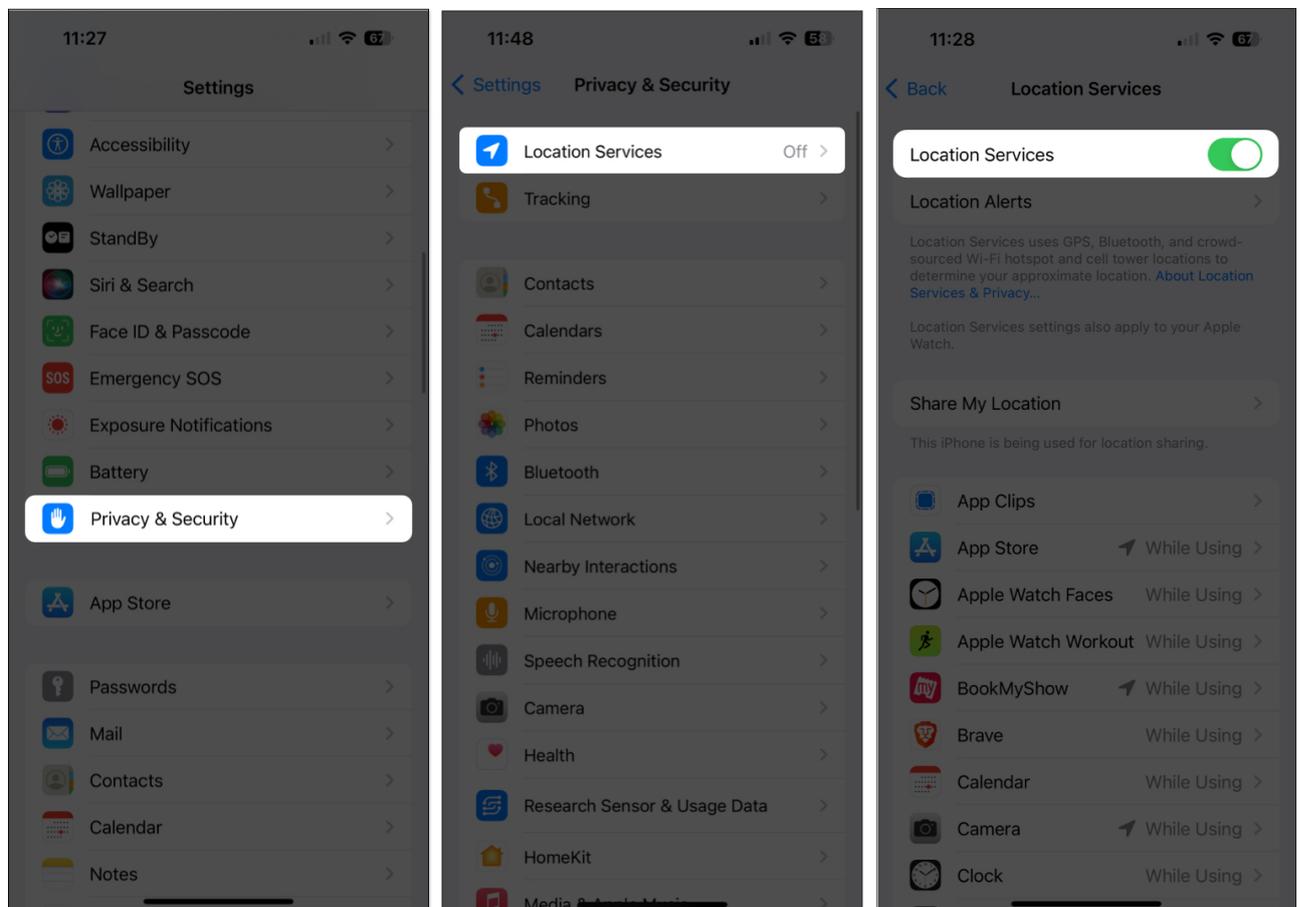
2. Turn on Location Services

If GPS is not functioning on your iPhone, make sure that Location Services are enabled for your device. While you're at it, ensure that apps like Google Maps or Apple Maps can use these services.

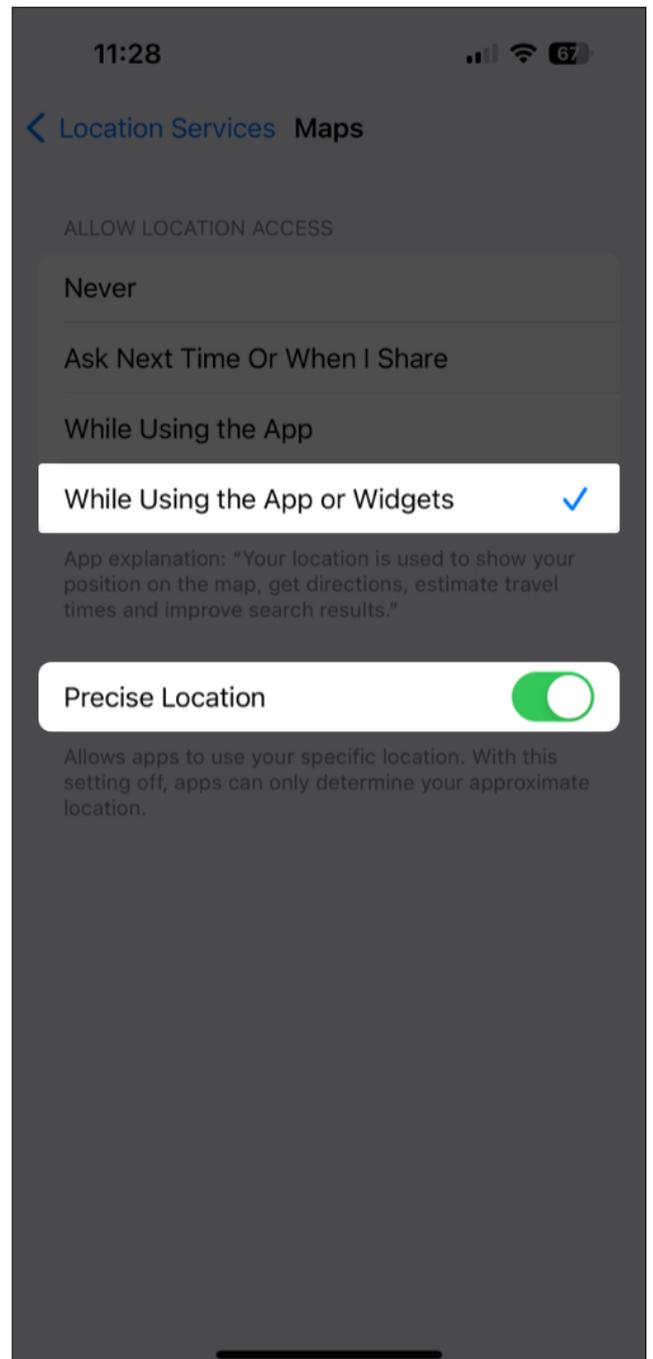
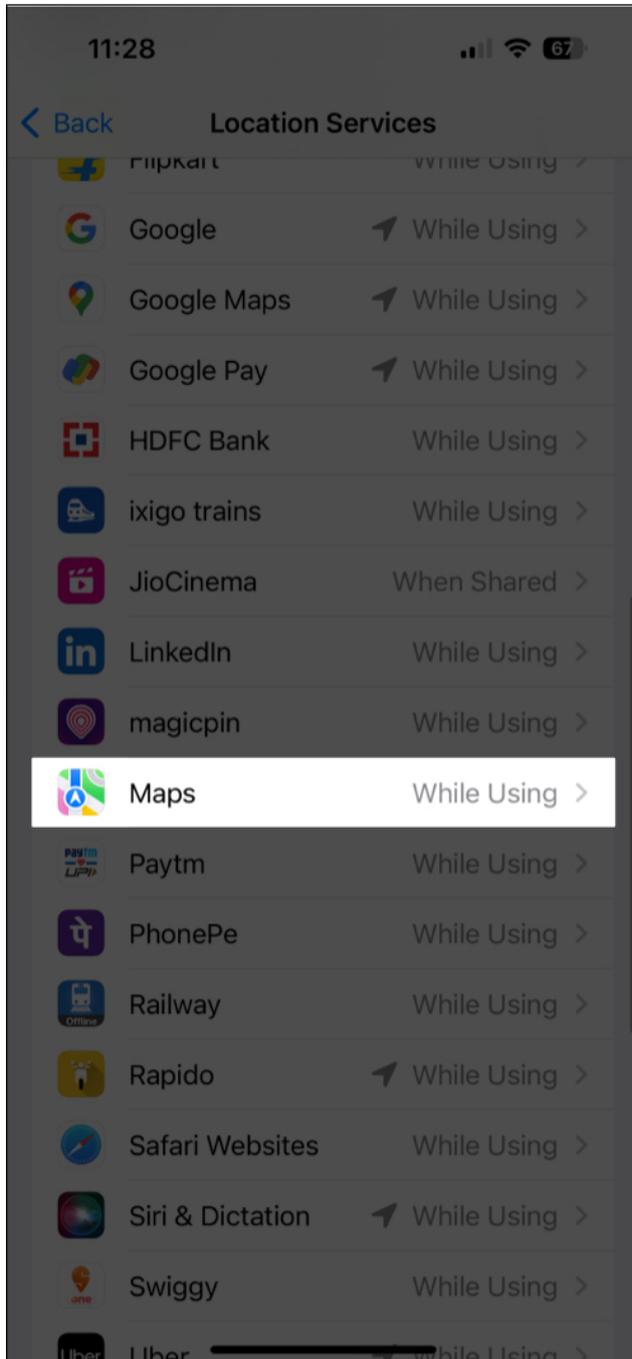
If GPS is not functioning on your iPhone, make sure that Location Services are working fine and enabled for your device. However, you can find our complete guide here if you [can't access Location Services](#) on your iPhone.

While you're at it, ensure that apps like Google Maps or Apple Maps can use these services.

1. Launch the **Settings** app → Scroll down and select **Privacy & Security**.
2. Tap **Location Services** → Toggle on **Location Services**.



3. Scroll down and select location-tracking apps like **Google Maps** or **Apple Maps**.
Here, I have used Apple Maps for demonstration.
4. Set the Location Access to **While Using the App or Widgets**.
5. Toggle on **Precise Location**.



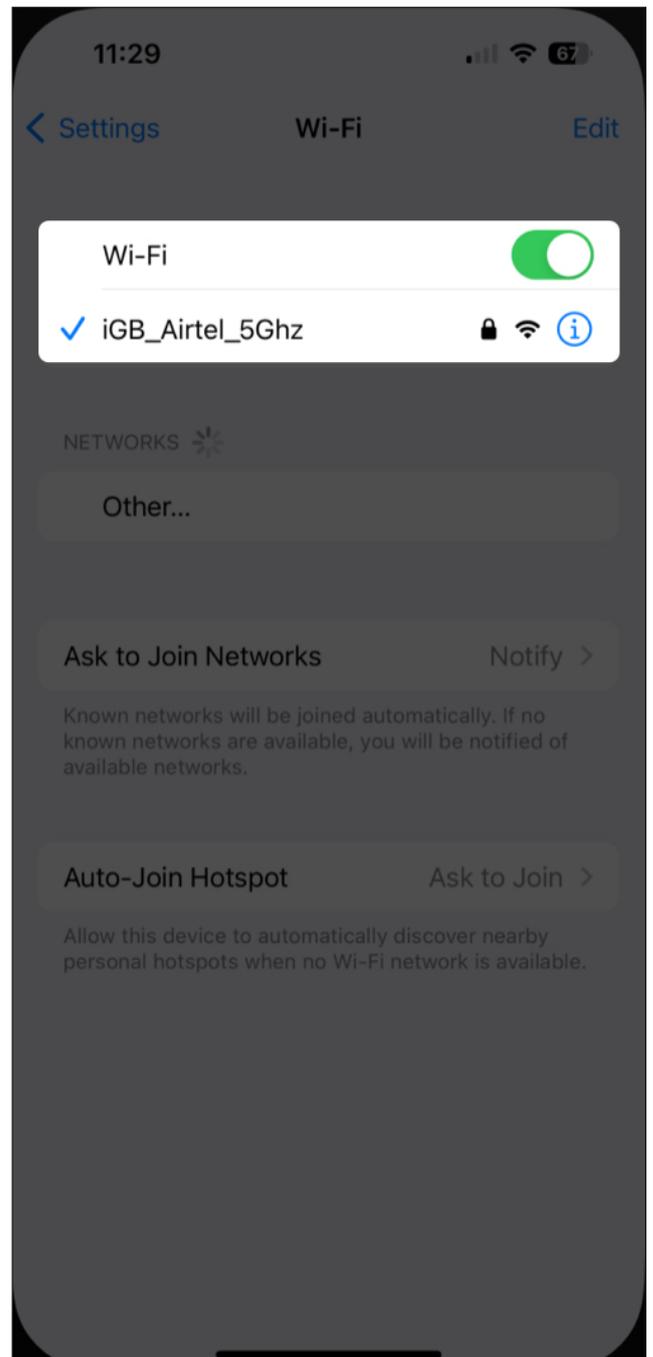
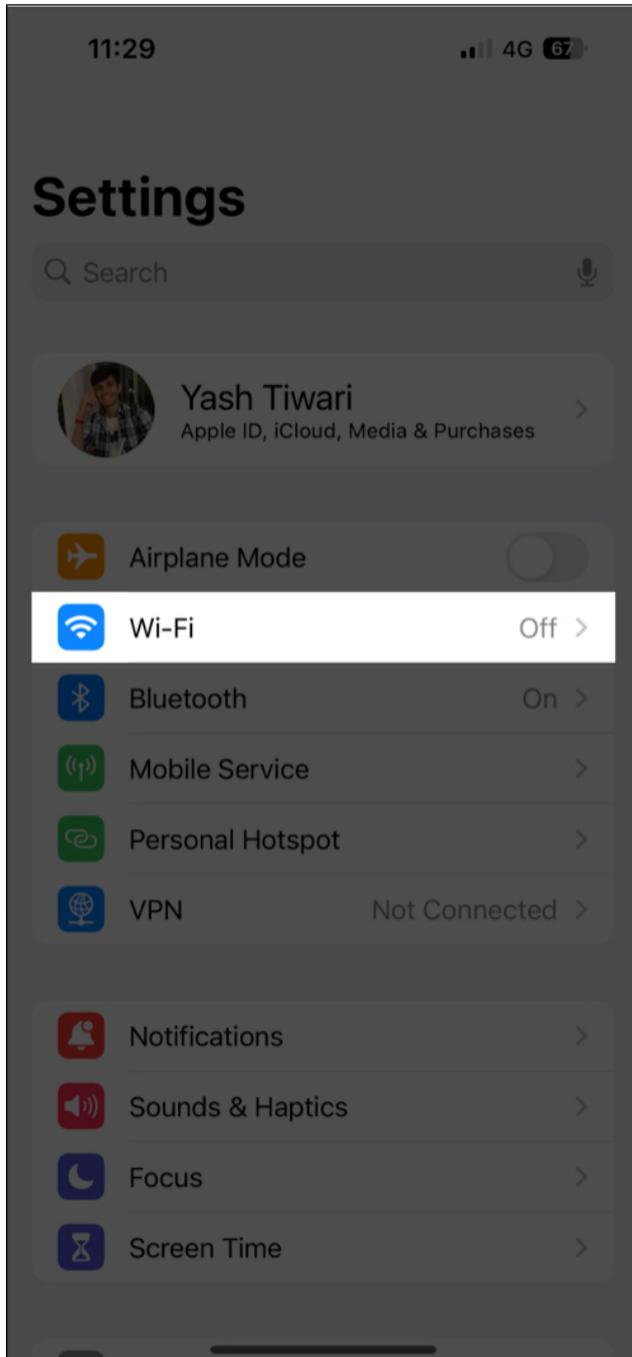
Once you've made the necessary changes, the GPS should work accurately on your iPhone. If not, proceed with the fixes below.

3. Turn on Wi-Fi or Cellular Data

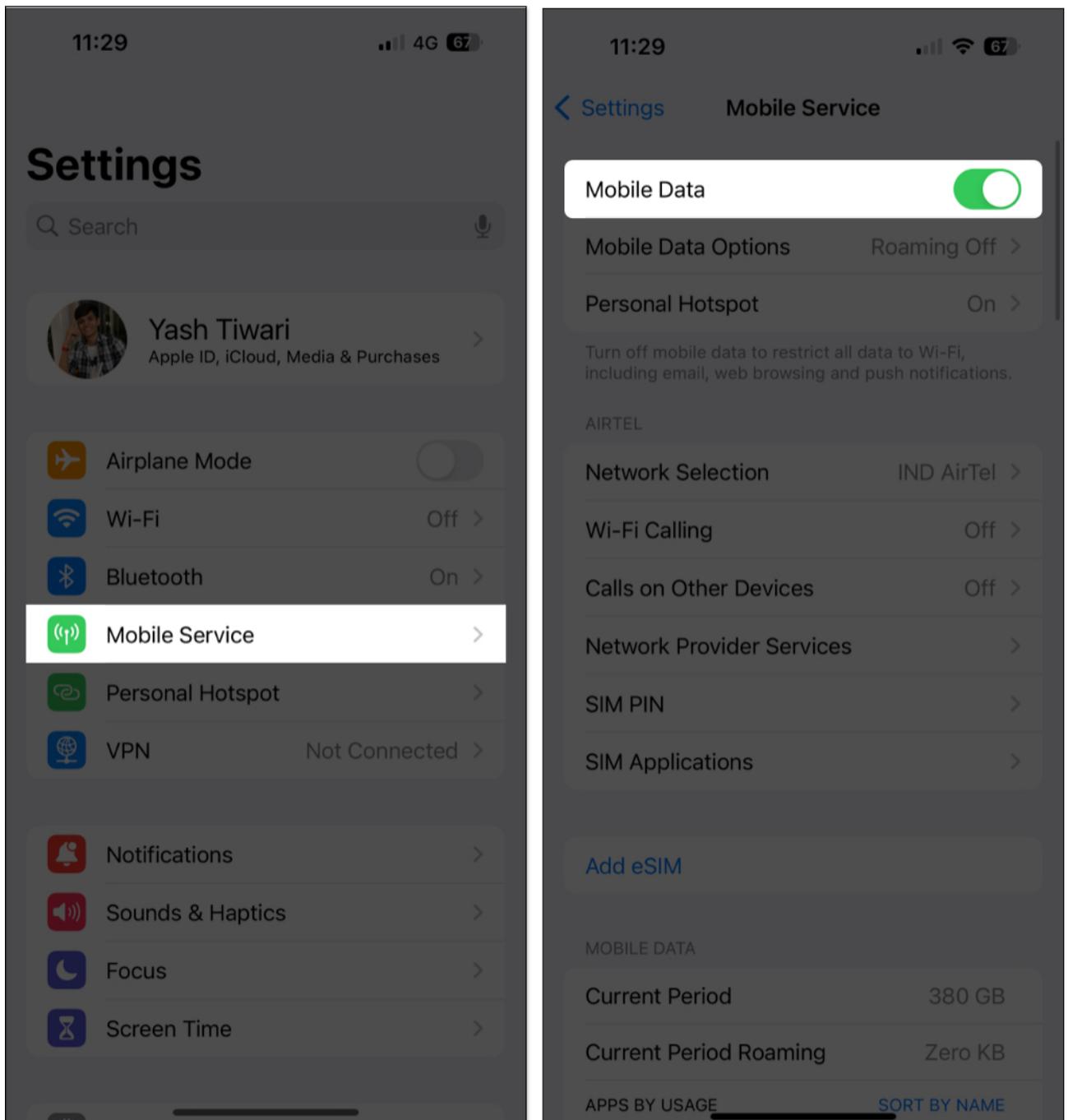
Although GPS is a satellite-based service, most iPhone apps require a stable Internet connection for some of their advanced features.

So, if you're having a hard time with your iPhone GPS, quickly make sure that Wi-Fi or cellular data is turned on.

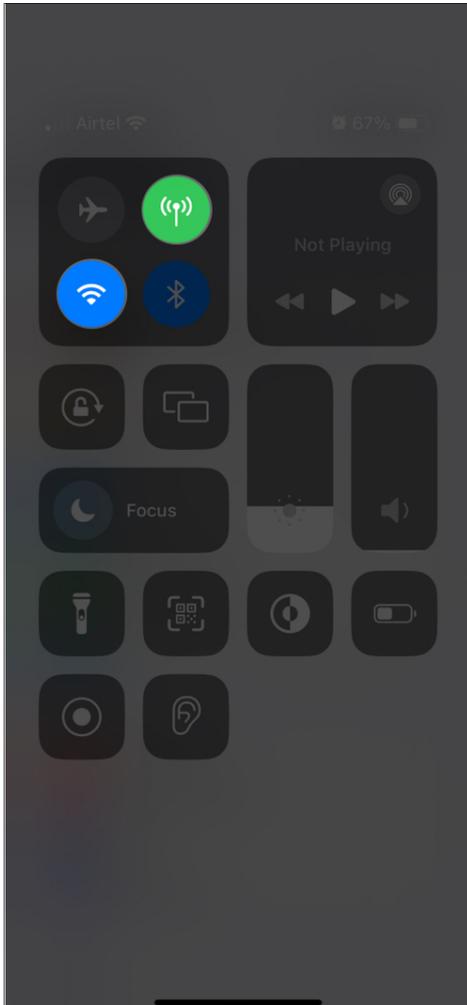
1. Go to **Settings** → Select the **Wi-Fi** option.
2. Toggle on **Wi-Fi** and connect to a **network**.



3. Alternatively, select the **Mobile/Cellular Service** option.
4. Enable **Mobile Data**.



For quick access, you can use the **Control Center** to make these changes.

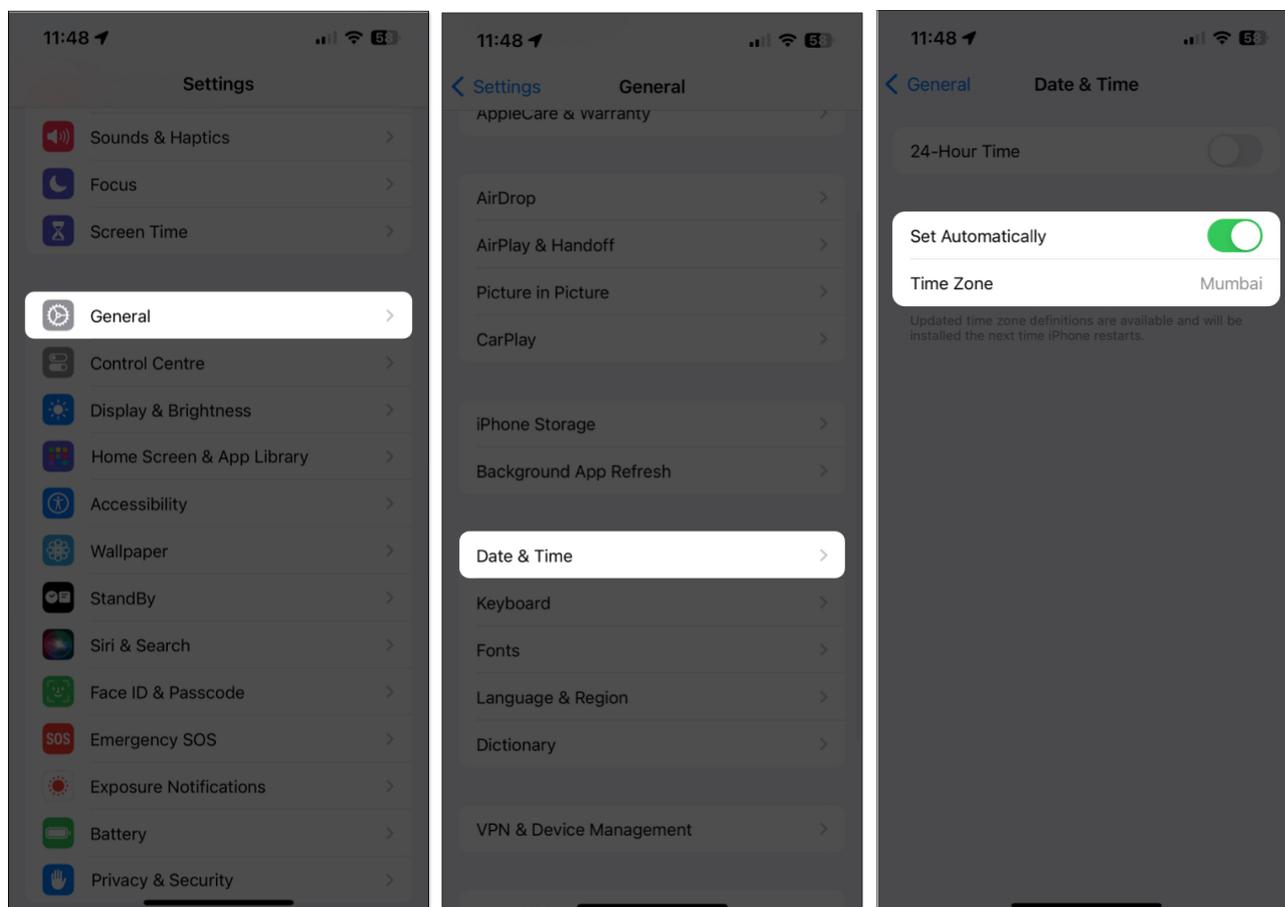


4. Check Date and Time Zone settings

If the problem persists, you should consider recalibrating the date and time settings on your iPhone. When there is a difference between your device's time and the actual local time, location services start to act out.

To resolve this issue:

1. Go to **Settings** → **General**.
2. Choose the **Date & Time** option.
3. Make sure your device is using the correct **Time Zone**, and **Set Automatically** is enabled.



5. Move to an open area

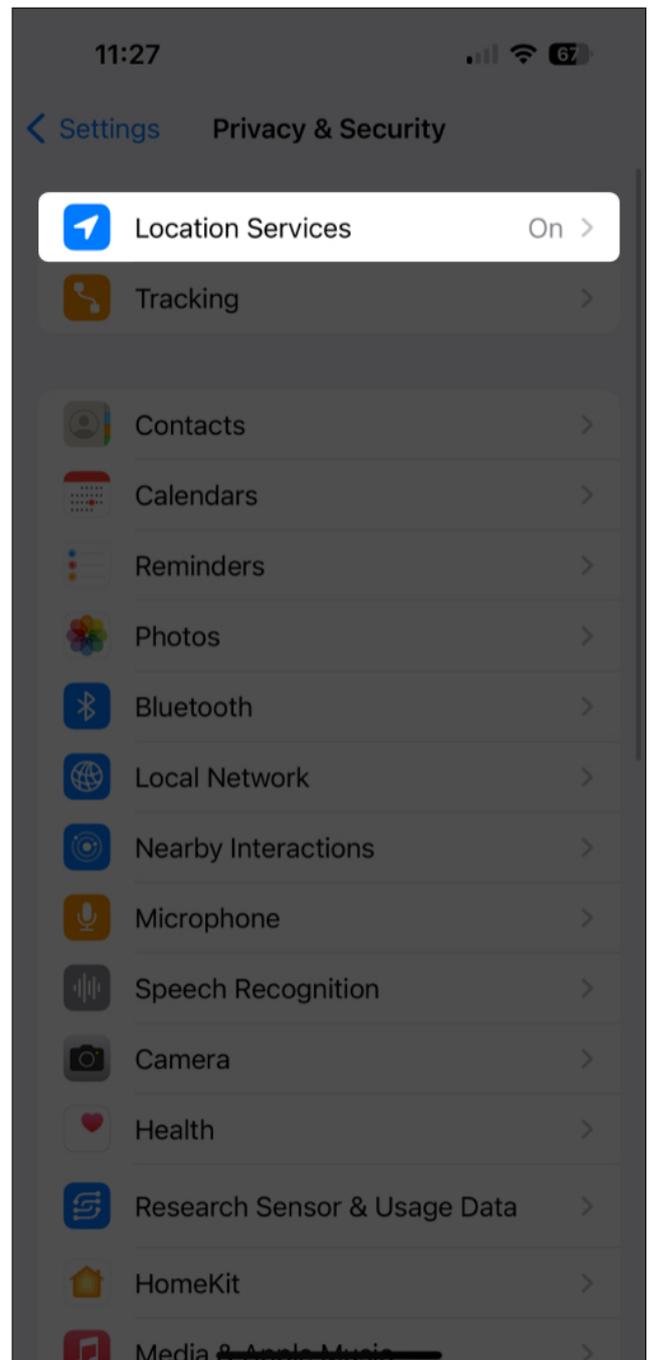
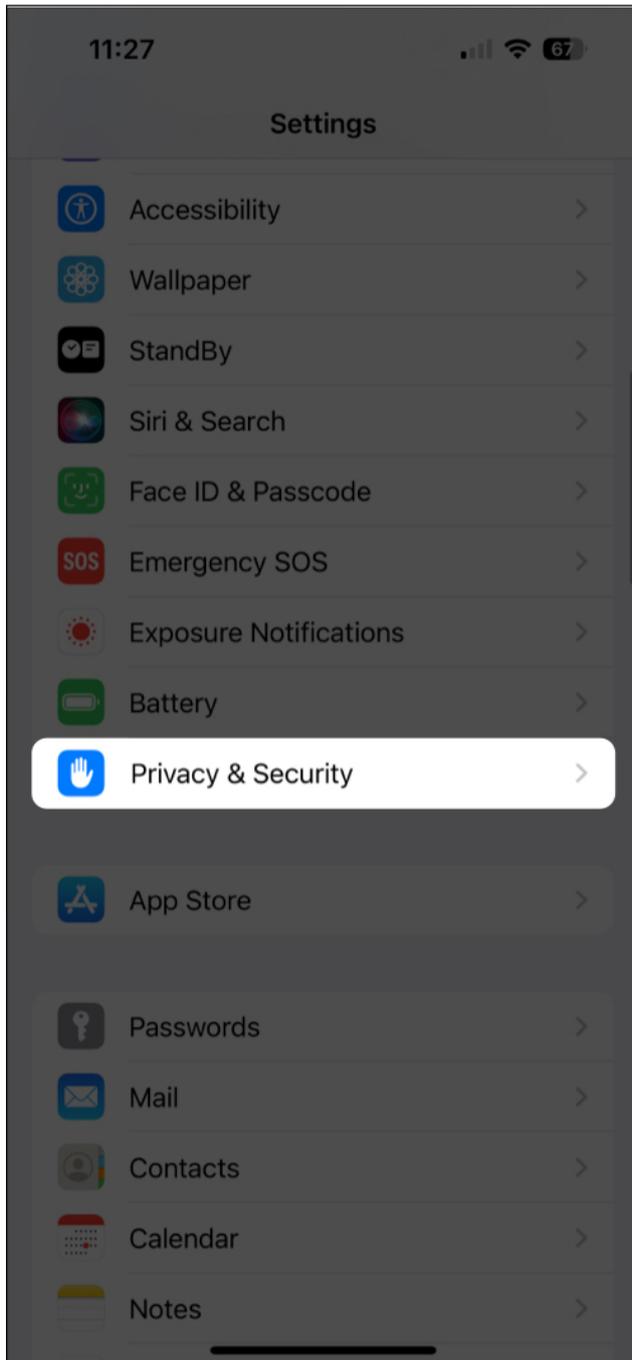
If you're repeatedly facing issues with using GPS on your iPhone, try moving to an open area. It may sound silly, but the accuracy of GPS signals can be disrupted by huge buildings, trees, and other obstructions.

If you are trying to use GPS inside your home or office, just head out for a moment to check if the problem is with the former. Satellite signals are crucial for GPS. With a clear sight of the sky, you can potentially improve the performance of your iPhone's GPS functionality.

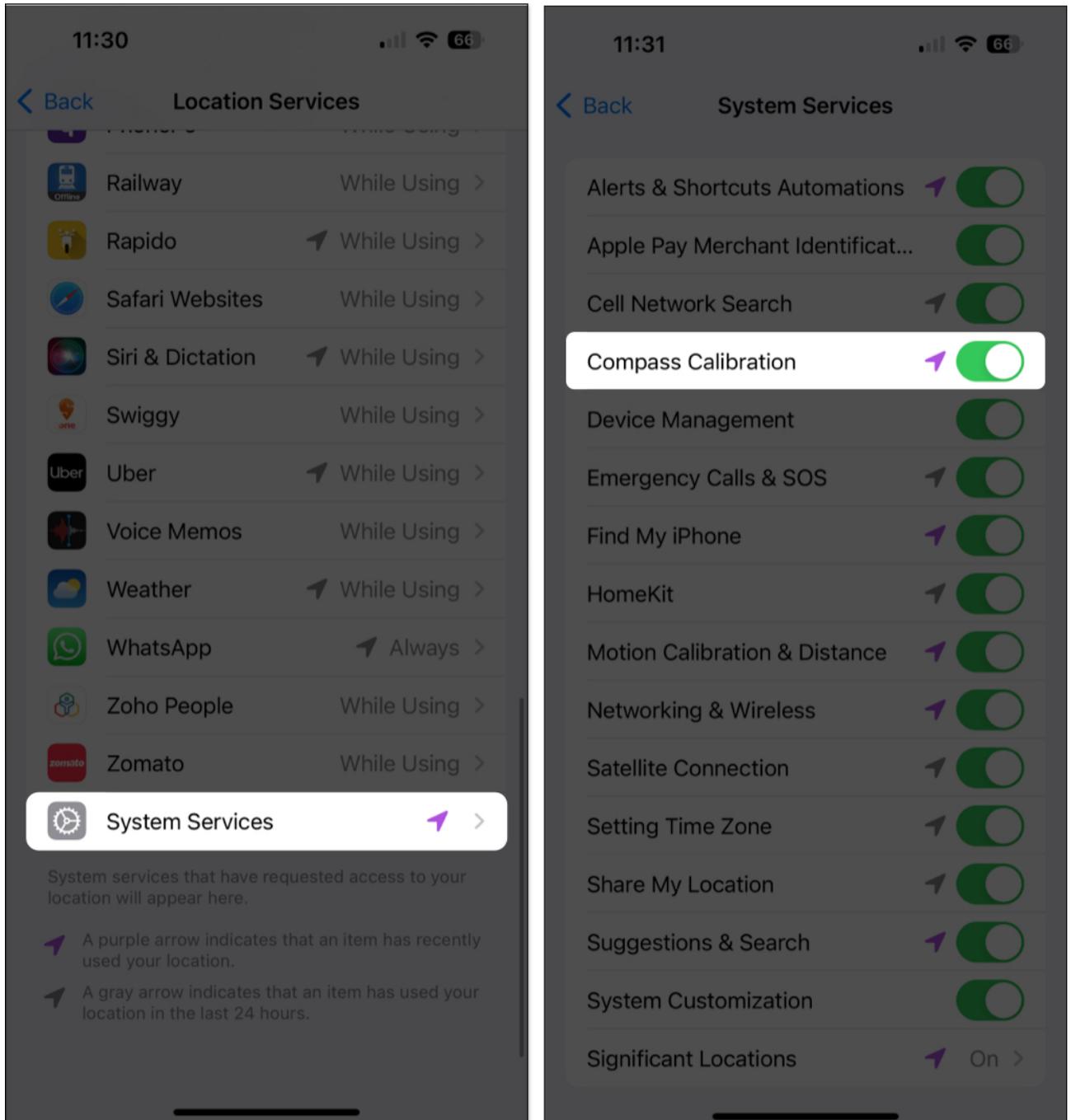
6. Enable Compass Calibration

You should consider enabling Compass Calibration on your iPhone if you find it hard to determine the direction while navigating. Using this feature, you will be able to figure out which direction you are moving to.

1. Open the **Settings** app on your iPhone → Select **Privacy & Security**.
2. Choose **Location Services**.



3. Now, scroll down to **System Services**.
4. Finally, enable **Compass Calibration**.

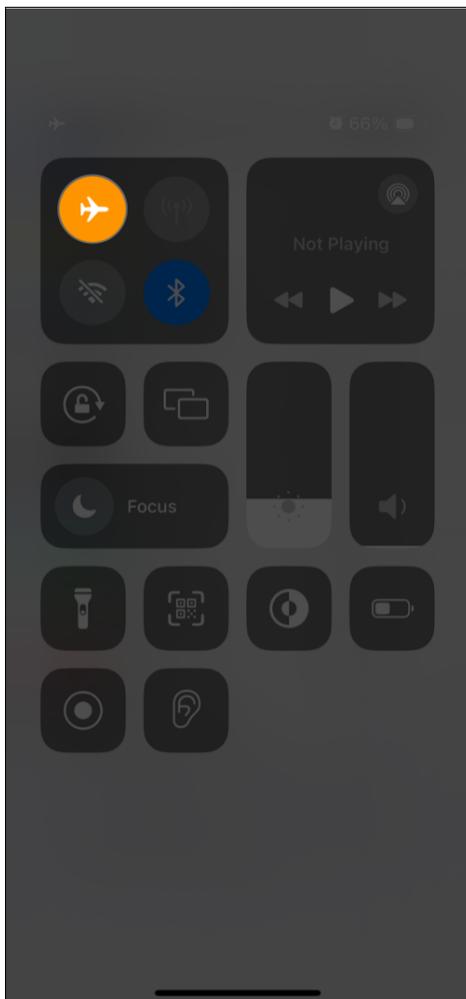


You may be asked to calibrate your compass by moving your phone in a **figure-eight motion** to complete the setup process. Just follow the on-screen instructions to complete it.

7. Put your iPhone in Airplane Mode

Another quick and effective solution to this problem is to put your iPhone in Airplane mode. This small action will reset all signals of your device and recalibrate its location services from scratch.

1. Summon the **Control Center** on your iPhone.
2. Tap the **Airplane mode** icon.
3. Wait for a few seconds and **disable** the same.



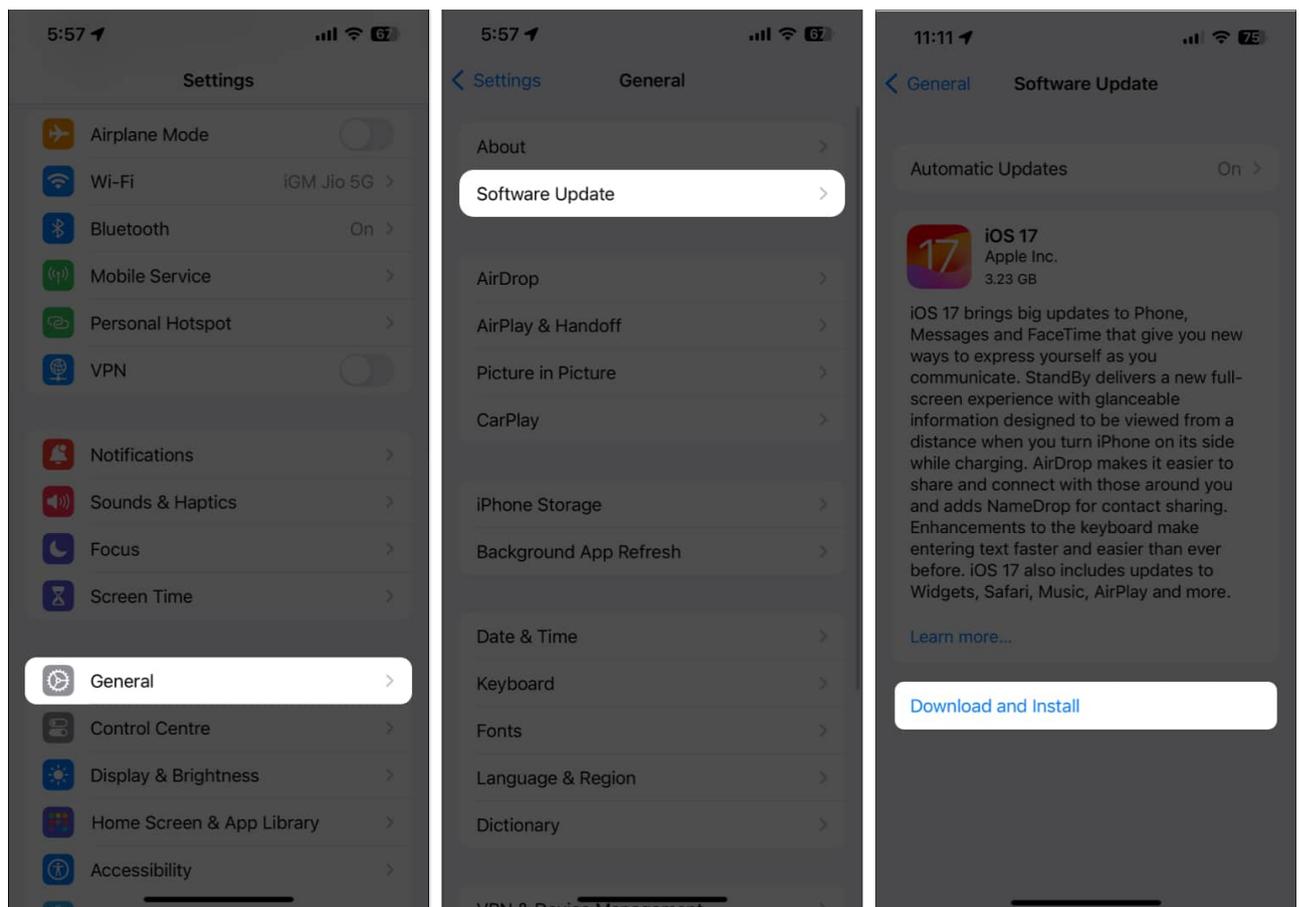
This simple technique can help reset the GPS signal on your iPhone and allow it to reconnect with the satellites in a more efficient manner. It should solve your problem without any hassle.

8. Update your iPhone

There is a high chance that this problem is a result of a bug or error. If you suspect such a possibility on your device, check for updates. Software updates often include bug fixes and improvements that can resolve any GPS-related issues.

However, before you begin, make sure your iPhone is connected to a stable network and has a sufficient battery.

1. Go to **Settings** → **General**.
2. Select **Software Update**.
3. If there is an update available, hit **Download and Install**.

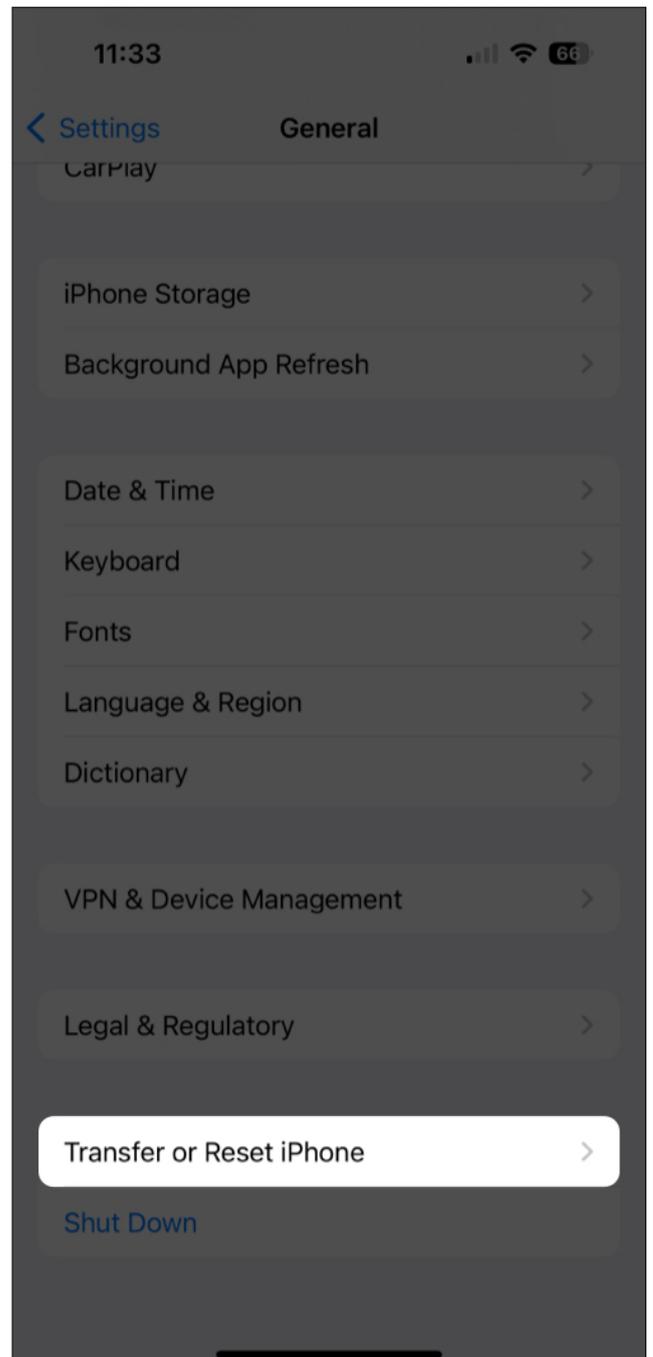
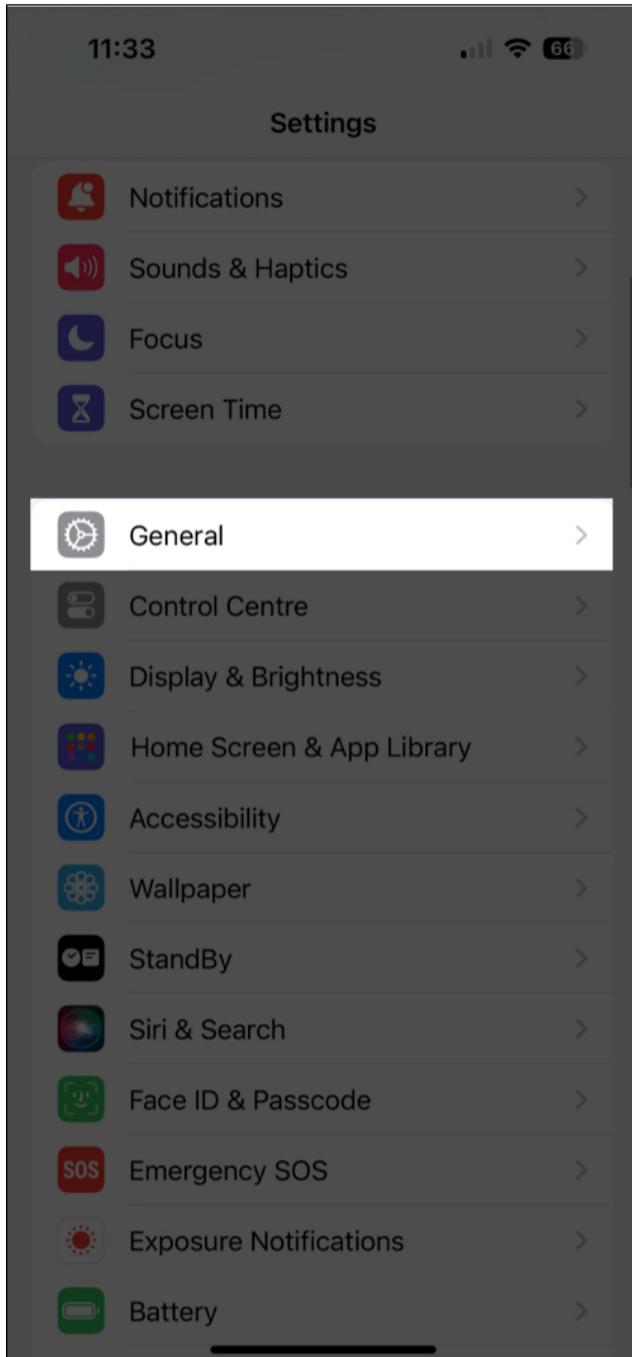


4. Follow the on-screen instructions to install it.

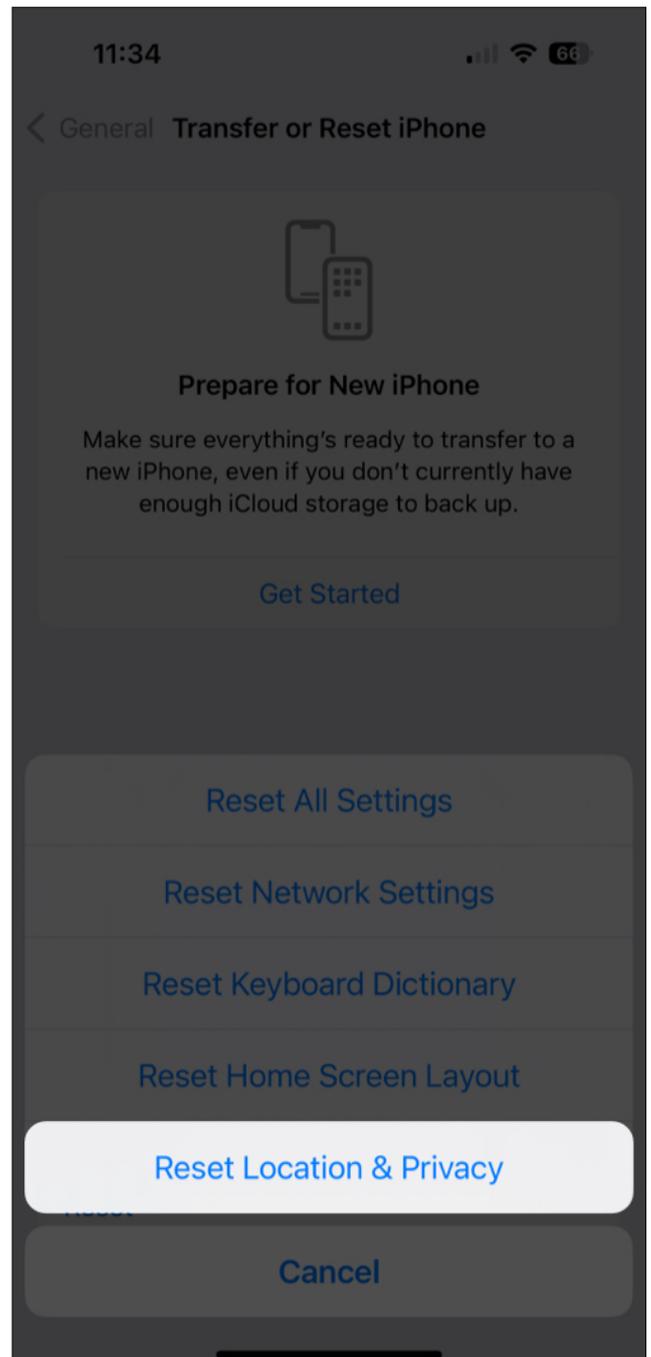
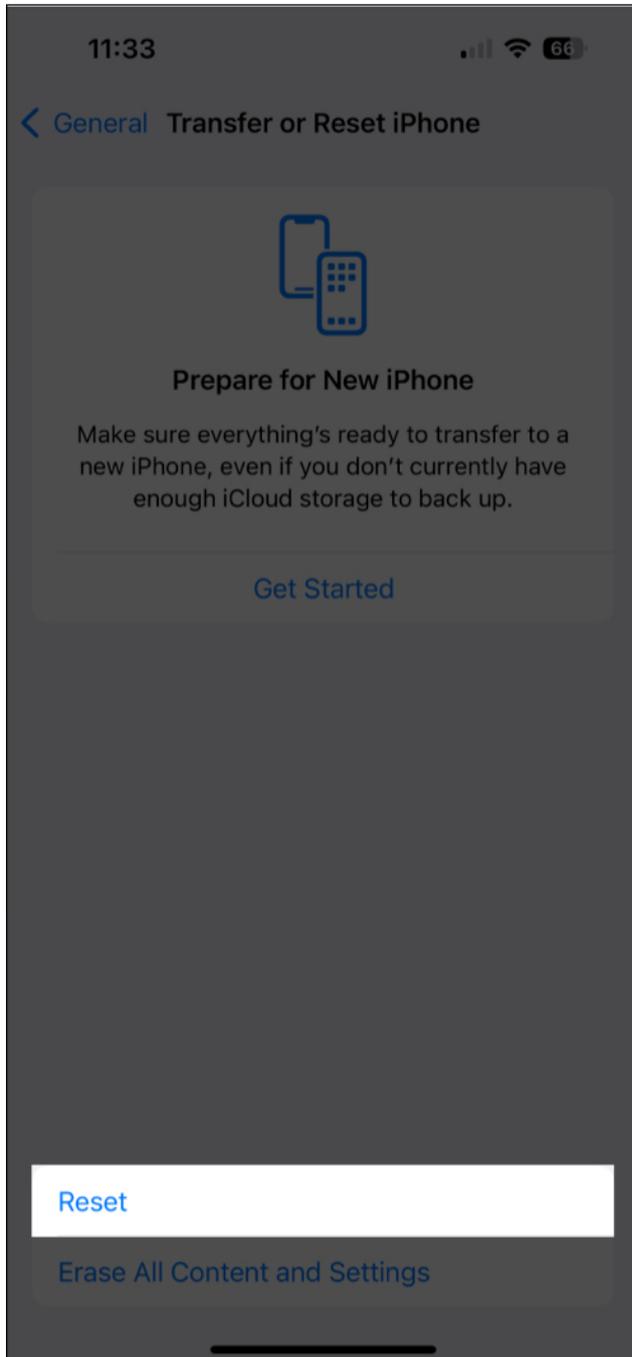
9. Reset Location and Privacy Settings

If something doesn't work right, it's best to reset it and start it up from scratch. In this case, you can opt to reset the location and privacy settings on your device.

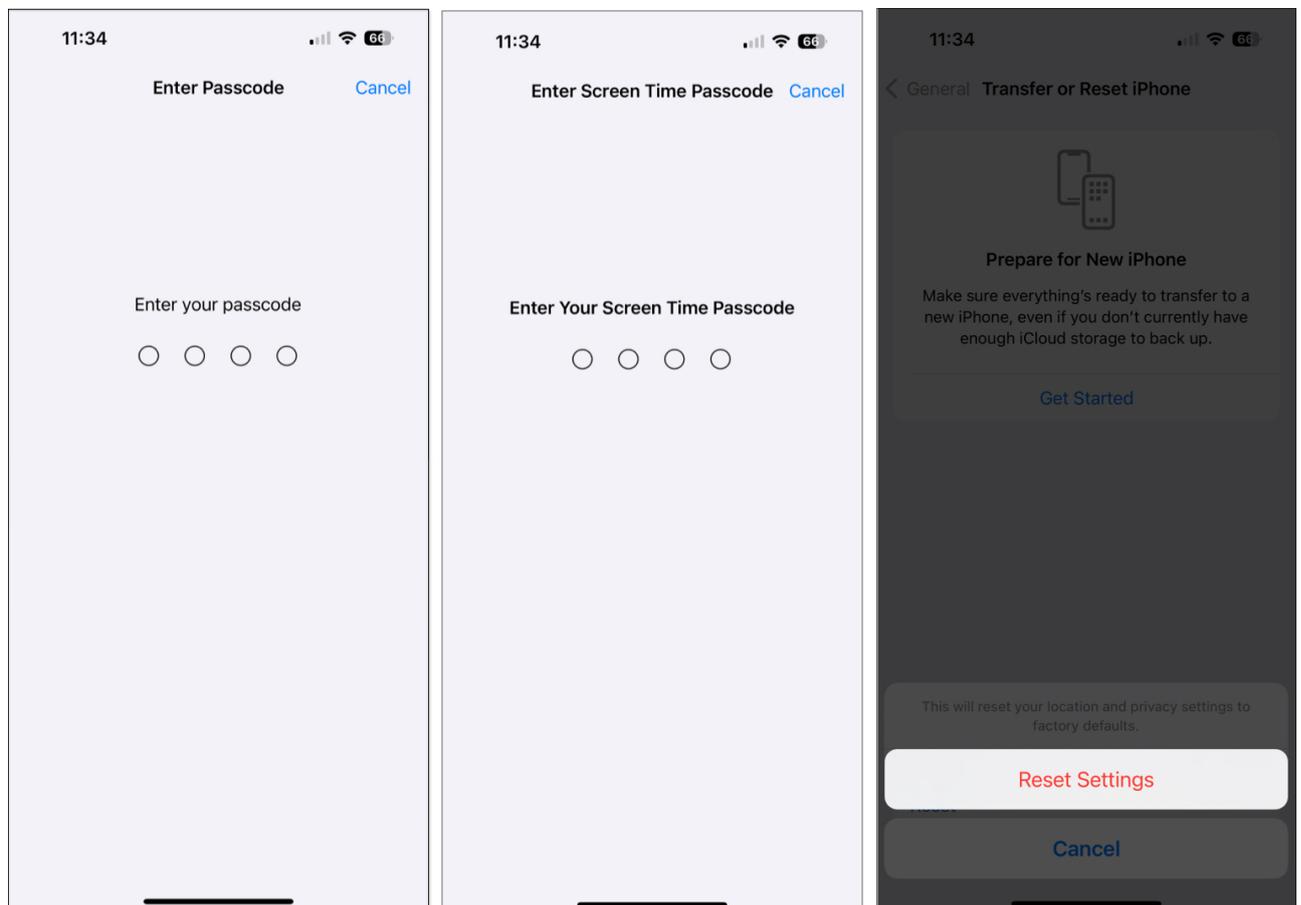
1. Launch the **Settings** app.
2. Go to the **General** menu.
3. Scroll down to the bottom and select **Transfer or Reset iPhone**.



4. Now, tap **Reset** → **Reset Location & Privacy**.



5. Enter your **device passcode** and **Screen Time passcode** if prompted.
6. Tap **Reset Settings** to conclude the process.



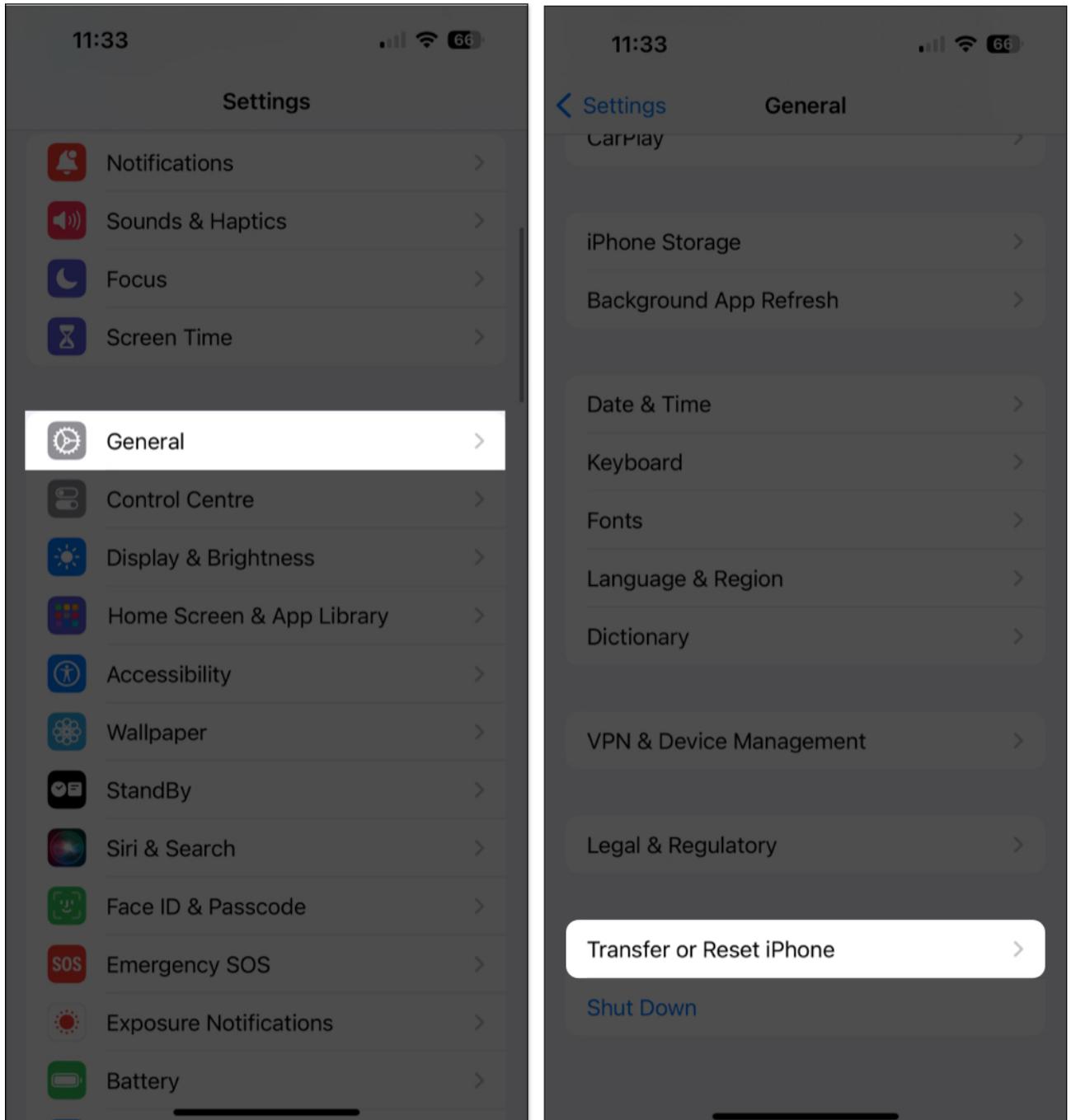
By resetting these settings, you can restore any corrupted or misconfigured files that may be causing the GPS to malfunction.

Once the reset is successful, restart your iPhone, as discussed above. Post that, the GPS functionalities of your device should work flawlessly.

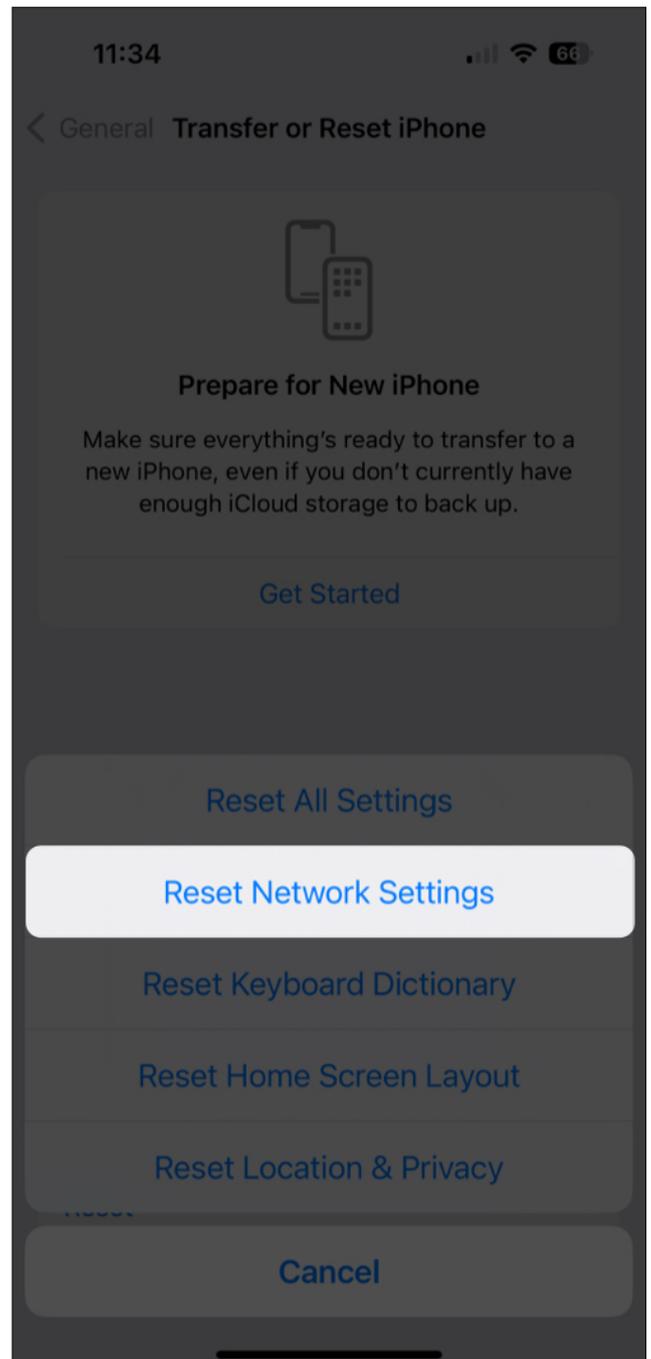
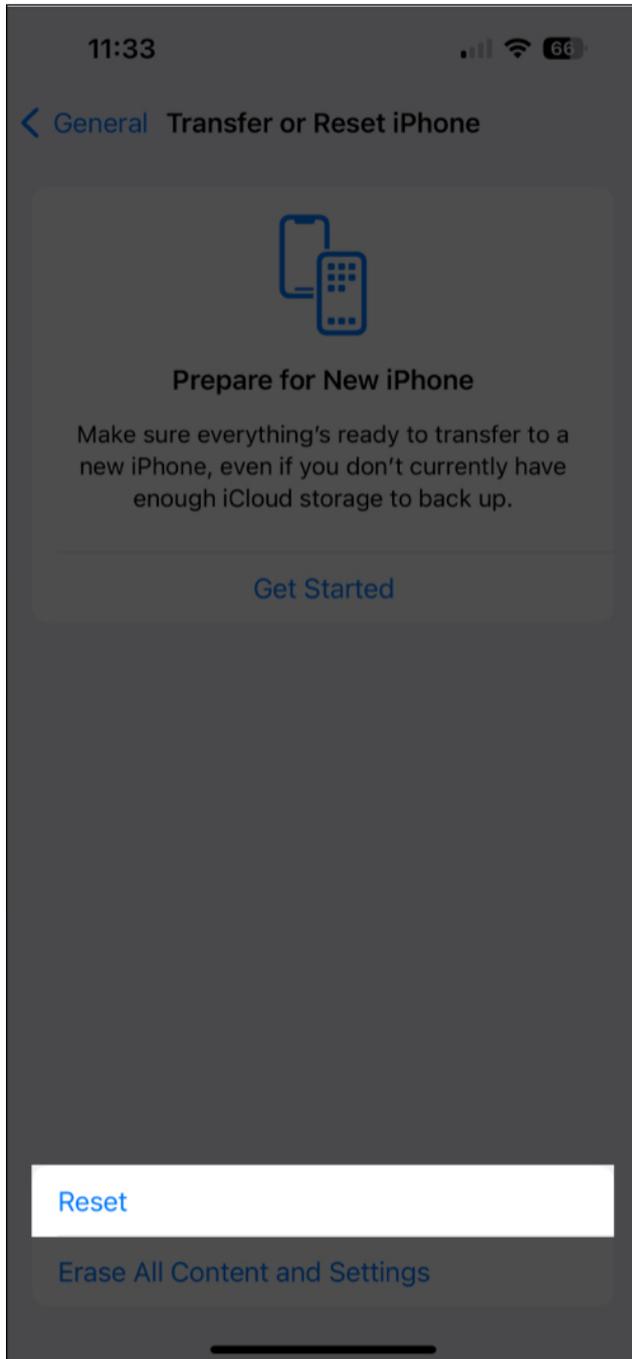
10. Reset Network Settings

If this doesn't solve your problem, let's try something extreme. By [resetting your network settings](#), you can get rid of any misconfigurations that may be causing the GPS problem. To do this:

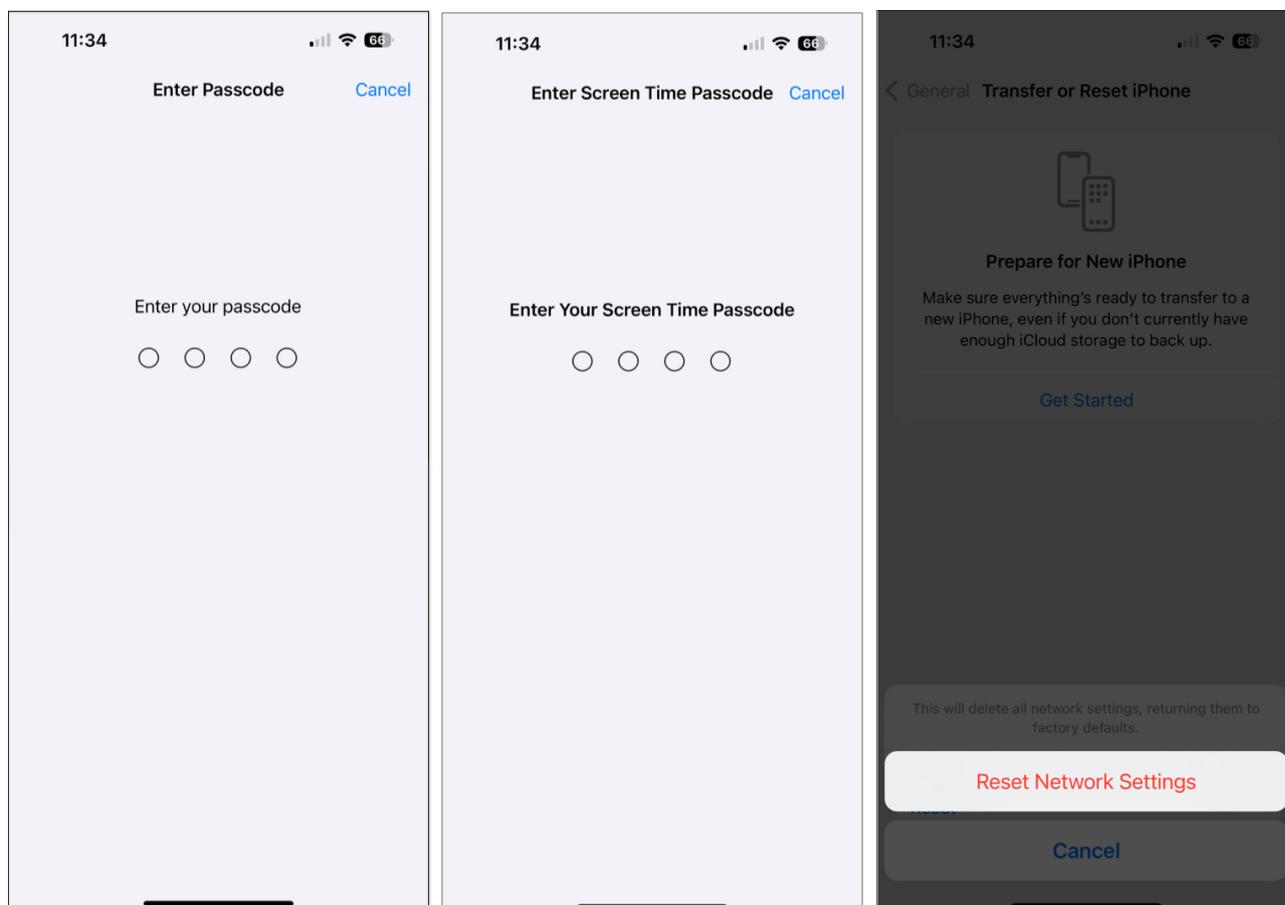
1. Navigate to the **Settings** app on your iPhone.
2. Select **General** → **Transfer or Reset iPhone**.



3. From here, tap **Reset** → **Reset Network Settings**.



4. Now, enter your **device passcode** and **Screen Time passcode** if prompted.
5. Select **Reset Network Settings**.



This action tends to erase all saved Wi-Fi passwords and VPN configurations. As a result, save the respective information as you please. You will require the same once the reset is completed.

Once this is done, restart your iPhone and test out the GPS feature to see if it has been fixed.

11. Try using different apps

Sometimes, the problem lies within the specific navigation app rather than the GPS functionality of your device itself. To verify your doubts, try [using another navigation app for iPhone](#) with similar features, such as Google Maps.

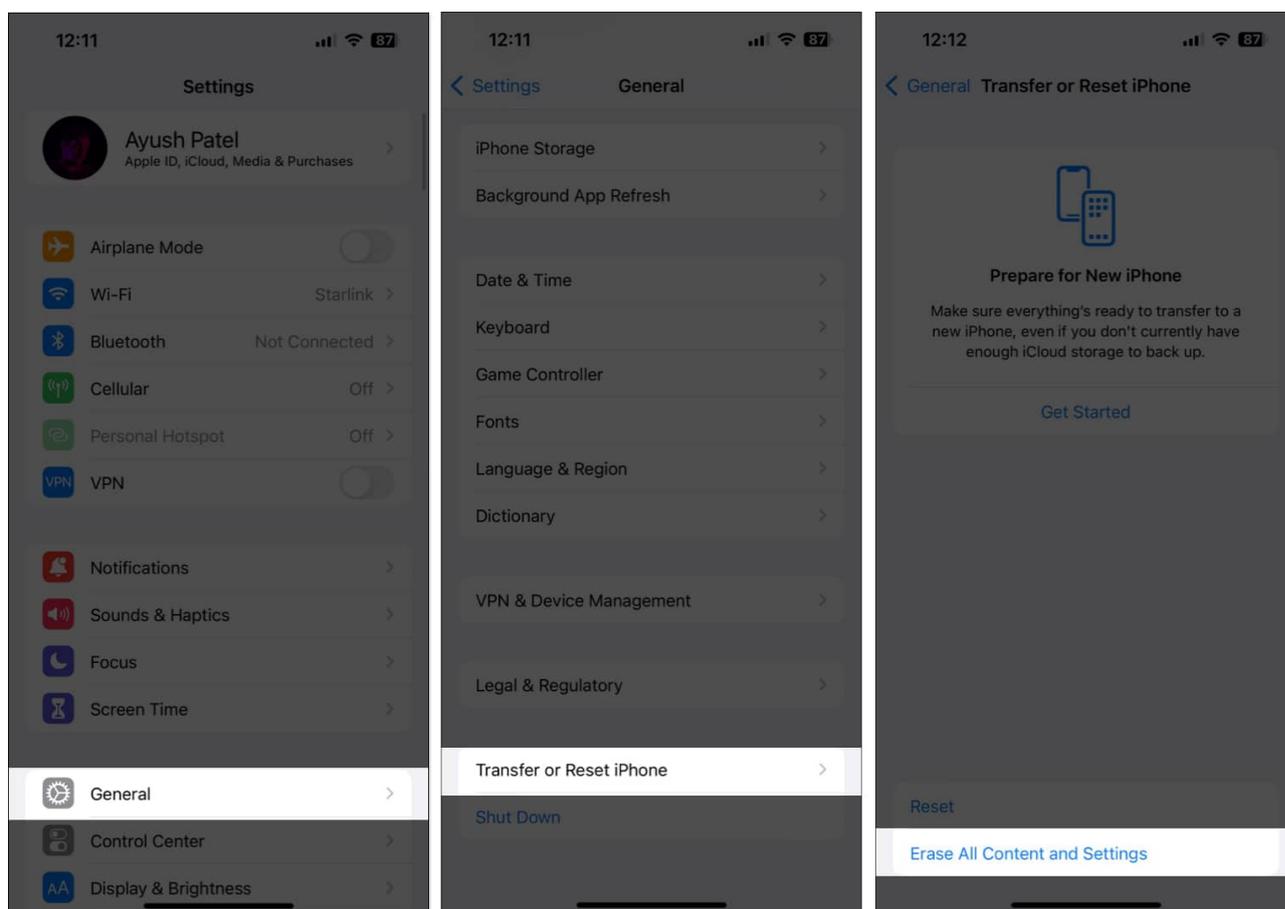
This method will enable you to determine if the issue is limited to one app or if there is a larger problem at play. Moreover, do not forget to turn on location services for the alternate app and ensure that you have a strong and stable network connection.

By troubleshooting in this manner, you can pinpoint where the issue stems from and take appropriate steps to resolve it efficiently and effectively.

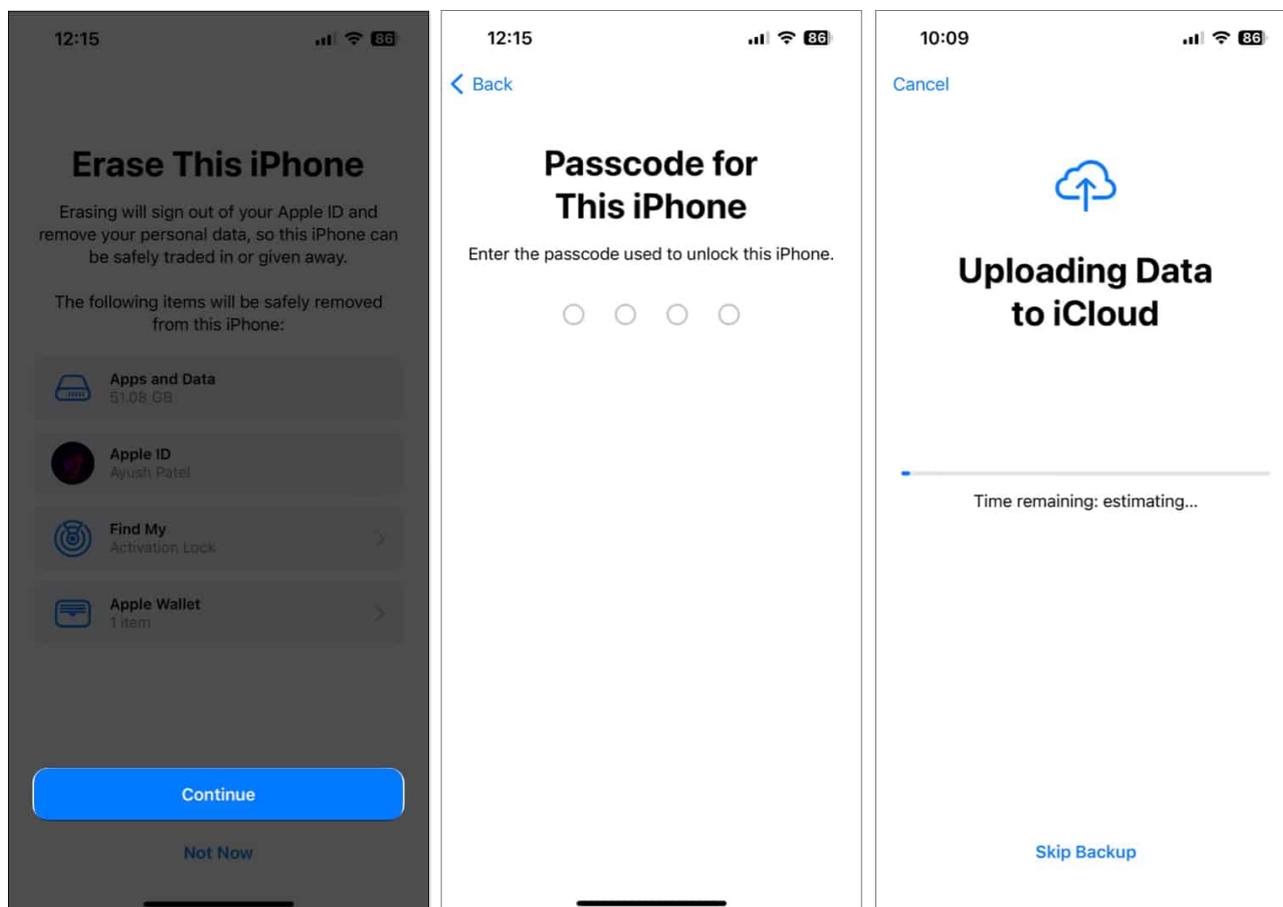
12. Reset your iPhone

Lastly, there is one more solution you can try on your end. Reset your device and hope the GPS returns to normal. However, first, ensure that you have [backed up any important data on your iPhone](#) so that you don't lose anything important in the process.

1. Open **Settings** → **General** → **Transfer or Reset iPhone**.
2. Tap **Erase All Content and Settings**.



3. Now, you can have an overview of the **details** that will be erased on your device.
4. Tap **Continue**.
5. Enter the iPhone **passcode** to verify yourself.
6. Here, a quick backup will start for your device.



7. As soon as the backup is complete, your data will be erased from your iPhone, and the device will be reset to factory settings.

Have a quick rundown through the setup process and set up your device as a new phone. Once set, check if the GPS function is now working properly.

Contact Apple Support

If none of these solutions work, it may be necessary to [contact Apple Support](#) for further assistance. They can help diagnose the issue and provide a solution tailored to your specific situation.

For the best outcome, remember to provide all the relevant information about your device and the issues you are experiencing.

Stop GPS tantrums!

With a proper understanding and a little patience, you can swiftly revive the functionalities

of GPS on your iPhone.

If you found this guide helpful, in the comments below, do let me know which fix worked for you!

Read more:

- [How to share location in iMessage using Google Maps on iPhone](#)
- [Ways to fix Google Maps not working on iPhone](#)