

Nokia N95 Positioning – How to establish a GPS connection efficiently

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The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

GPS should only be used as a navigation aid. It should not be used for precise location measurement and you should never rely solely on location data from the GPS receiver for positioning or navigation.

ESTABLISH A GPS CONNECTION EFFICIENTLY

Internal GPS receiver

The GPS receiver is located in the bottom of the device. When using the receiver, slide the numeric keypad open, and hold the device at an angle of about 45 degrees (as shown in the picture), with an unobstructed view of the sky. Do not cover the numeric keypad with your hand.

Establishing a GPS connection may take from a couple of seconds to several minutes. Establishing a GPS connection in the car may take longer.



The GPS receiver draws its power from the device battery. Using the GPS receiver may drain the battery faster.

About satellite signals

If your device cannot find the satellite signal, consider the following:

- If you are indoors, go outdoors to receive a better signal.
- If the numeric keypad slide is closed, open it.
- If you are outdoors, move to a more open space.
- Check that your hand does not cover the GPS antenna of your device. See the picture in Internal GPS receiver.
- If the weather conditions are bad, the signal strength may be affected.
- If the power saver turns on on the display while the device is attempting to establish a GPS connection, the attempt is interrupted.

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Satellite status

To check how many satellites your device has found, and whether your device is receiving satellite signals, press the menu key, and select **Tools > GPS data > Position > Options > Satellite status**. If your device has found satellites, a bar for each satellite is shown in the satellite info view. The longer the bar, the stronger the satellite signal. When your device has received enough data from the satellite signal to calculate the coordinates of your location, the bar turns to black.

Initially your device must receive signals from at least four satellites to be able to calculate the coordinates of your location. When the initial calculation has been made, it may be possible to continue calculating the coordinates of your location with three satellites. However, the accuracy is generally better when more satellites are found.