

# Android ZSDK

NextNav's Android ZSDK generates highly accurate vertical location data for any host application using the barometric sensors found in most devices and NextNav's dedicated altitude network.

## How it works

Host applications can use the ZSDK to request altitude data in one of four supported modes: one time only, once per second, once every thirty seconds, or once per minute.

Altitude Data is reported in meters HAE (based on the WGS-84 geodetic system) and in HAT (Height Above Terrain).

After NextNav generates the altitude measurement, the ZSDK provides it to the host application via a defined interface, along with any status and/or error messages.

The ZSDK is available as an AAR file for integration into Android Apps. Access to the vertical positioning data from the ZSDK is enabled via the use of a developer key provided under license from NextNav. A unique developer key is needed for each app bundle ID/name.

## System requirements

- File size = ~145KB
- Android 8, 9, and 10
- Android device with a [barometric sensor](#)
- Required data sources:
  - 2D location Data
  - Pressure Data
  - Storage
  - Network Access

[Request documentation](#)

**Get the SDK and developer key**

**Let's go!**