Note that to successfully run the NAPPA-RAP DataLogger you have to have the smartphone with Android version 9 or later.

Note also that due to the internal Android system architecture, in order to connect to the Movesense sensor via Bluetooth LE, it is necessary to turn on not only BLE, but GPS as well.

In order to upload the NAPPA-RAP firmware to your Movesense sensor, it is necessary to download corresponding **Nappa-rap.zip** file (with or without bootloader we will discuss below). Then you have to download the APK-file with Movesense Showcase App from the Movesense repo - <https://bitbucket.org/suunto/movesense-mobile-lib/downloads/>

Note that the latest application stable and up-to-date version is **1.9.11** (from January 2021). It can be found at the Movesense repo only! While there is an old App located in Google Play Store, version **1.9.5** (from December 2018). We do advice to install the latest one.

When the Movesense Showcase App has been installed to your smartphone or tablet, follow the instructions in the section “**Using Showcase app for DFU upgrade**” - <http://movesense.com/docs/esw/dfu_update/>

When do you need to upgrade sensor’s bootloader (with **Nappa-rap\_app\_bootloader.zip** file)? If your Movesense sensor has not the latest firmware on-board, then it is necessary to update its bootloader. How to get to know, that the sensor’s firmware is out-of-date? Run Movesense Showcase App (described above). In the Main menu select the button icon with lightning (entitled “Movesense”). Choose you sensor from the list of the sensors. When the connection is established, at the top of the screen, above menu items, you will see three text lines. Namely, Connected Device; Serial (your device serial number) and Sw version. The latest item is what we are looking for. If sw version equals to **2.0.0**, then it is entirely enough to upload the zip-file **without bootloader** (i.e. apply the **Nappa-rap\_app\_v1.\*.zip** file), because the sensor’s firmware is **up-to-date**. Otherwise, if, for example, there is a version 1.9.6, then it is necessary to apply **Nappa-rap\_app\_v1.\*\_bootloader.zip** file while updating process.

Note that we have not been using the iPhones for working with Movesense Showcase App. Android platform only for now.