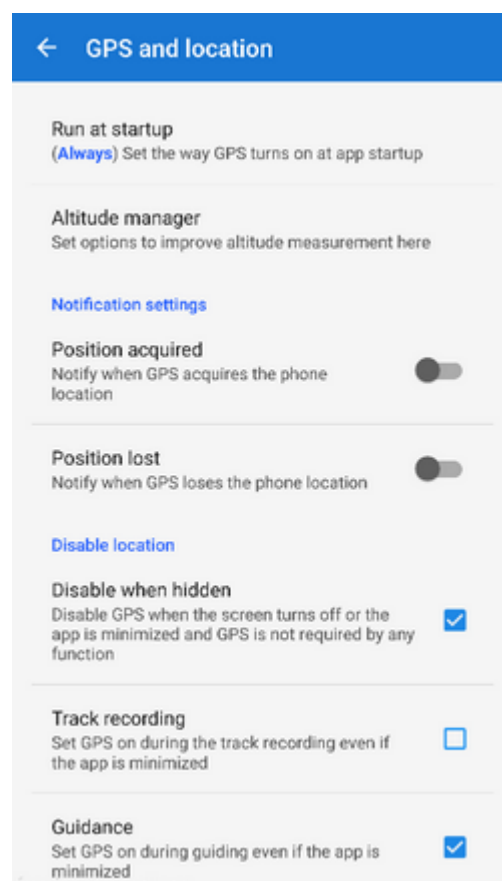# GPS & Location

Global settings

Run at startup

Sets the way GPS turns on at Locus Map startup:

- **Always** - GPS turns on always when Locus Map is started
- **Previous state** - GPS turns on or stays off according to last Locus Map session
- **Never** - GPS never turns on at Locus Map start

Altitude manager

Sets options to improve altitude measurement. More about it here >>

Notification settings

Position acquired

Notifies user of the GPS acquiring location of the device. Launches notification settings window with several options to define the sound and vibration alert (beep, any sound from your phone library...). The options are the same as in other notification settings >>

Position lost

Notifies user of the GPS having lost location of the device. Launches notification settings window with several options to define the sound and vibration alert (beep, any sound from your phone library...). The options are the same as in other notification settings >>
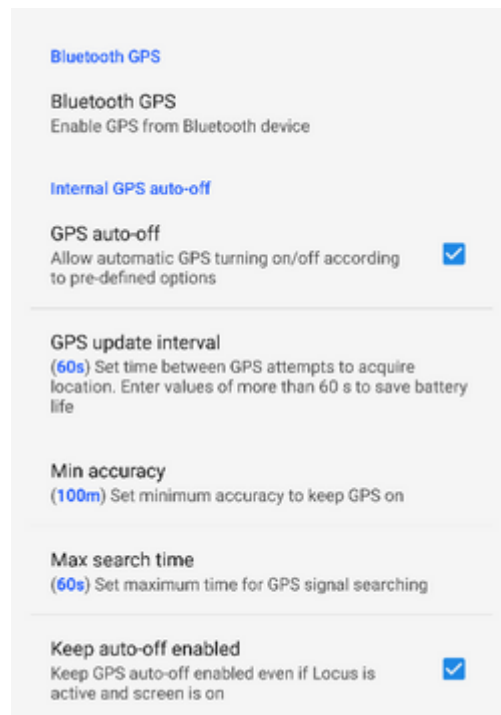
Disable/enable GPS

Disable when hidden

Disables GPS when the screen is turned off or the app is minimized and GPS is not required by any other function

Track recording

Keeps GPS on during the track recording even if the app is minimized, screen is off and the recording paused.

Guidance

Keeps GPS on during guidance even if the app is minimized and screen is off.

Bluetooth GPS

Launches the [Bluetooth manager](#) to enable GPS from a bluetooth device instead of the internal GPS. The advantage is better GPS accuracy and lower phone battery consumption.

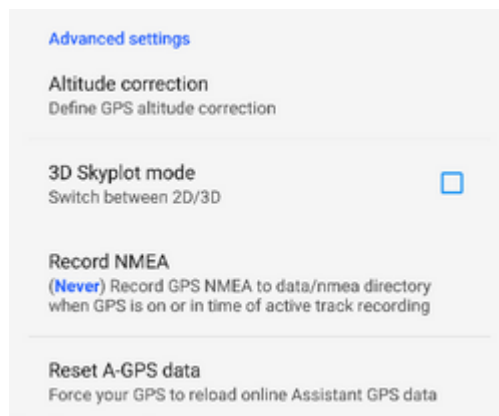# Internal GPS auto-off

GPS auto-off

Allows automatic GPS turning on/off according to pre-defined options:

- **GPS update interval** - sets time between GPS attempts to acquire location. Values of more than 60 seconds save battery life.
- **Min accuracy** - sets minimum accuracy to keep GPS on. When the accuracy is lower due to few detectable satellites GPS turns off.
- **Max search time** - sets maximum time for GPS signal searching. If the GPS fix is not secured within this period, GPS turns off.

Keep auto-off enabled

Keeps GPS auto-off enabled even if Locus Map is active and screen is on.

Advanced settings

Altitude correction

Defines GPS altitude correction (Geoid height or Altitude offset) in Altitude manager.

3D skyplot mode

Switches between 2D and 3D display of the skyplot that is available under the GPS/compass button on the main screen.

Record NMEA

Enables recording GPS NMEA to data/nmea directory when GPS is on or in time of active track recording. More about NMEA >>

Reset A-GPS data

Forces GPS to reload online Assistant GPS data to improve its startup performance. More about A-GPS >>