

# GPS & Location

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## 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.

*Position lost* Notifies user of the GPS having lost location of the device.

## 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.

*Guiding* Keeps GPS on during guiding even if the app is minimized and screen is off.

## Bluetooth GPS

*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*<html><br></html> Keeps GPS auto-off enabled even if Locus Map is active and screen is on.

## Advanced settings

*Altitude correction*<html><br></html> Defines GPS altitude correction (Geoid height or Altitude offset) in [Altitude manager](#).

*3D skyplot mode*<html><br></html> Switches between 2D and 3D display of the skyplot that is available under the [GPS/compass button](#) on the main screen.

*Record NMEA*<html><br></html> 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*<html><br></html> Forces GPS to reload online Assistant GPS data to improve its startup performance. [More about A-GPS >>](#)

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