

# Installing FleetHeat Hardware

## GPS Installation Tips

The unit has internal antennas for GPS satellite reception and GSM communication. The GSM signal is coming laterally from land stations and the GPS -signal is coming from every directions from the sky.

Install the GPS -device to a place, where the GSM and GPS signals are available. The signals can be blocked if the unit is installed under a metal cover or inside a metal box. One ideal location to mount the unit is underneath the dashboard in the cabin.

The GSM and GPS signals can be tested by a mobile phone. The GSM-signal level can usually be seen all the time on the phone's main screen. The GPS -signal strength can be tested by a mobile phone using common programs, which available from Google Play or Apple Store.

Install the GPS -device to a constant 9V - 32V DC power.

Make sure the GPS system is operating correctly after the installation. When power is connected, both of the lights starts blinking and when GSM-data network is connected the GSM-led (the orange led) stops blinking and the light is on continuously. After a while, 60 - 300 seconds, the GPS-led (the green led) stops blinking and light is on continuously.

The unit should be installed with the technical label facing down. The antennas are in the other end and on the upper side of the unit.

If the unit is to be installed under the vehicle's dashboard, mount it as near the open air as possible, not deep under the dashboard.

Do not place directly underneath a metal panel as this will affect the GPS and GSM performance. Plastic and glass do not block the signal unless they are metal coated such as many solar glass windscreens.

Do not install the unit where it will be subjected to direct sunlight to prevent the temperature of the unit to rise and go down depending from sunlight.