

IntelliTrac EPOS Asset Tracker

Mounting and Installation

The EPOS can be mounted on the asset to be tracked using screws, bolts, cable ties, or industrial adhesives. When choosing a mounting point, you have two competing goals:

- To minimise the chances of the device being accidentally crushed, dislodged or discovered by a thief
- To maximise the GPS and mobile reception and provide adequate ventilation.

Key mounting notes:

- Avoid installing the box completely enclosed in a metal box
- Avoid installing in a location that will result in elevated temperatures. For instance, mounting the EPOS in direct sunlight on the dash of a non-ventilated cabin may cook the batteries, leading to abnormally short service life.
- Try to orient the GPS antenna towards the sky where possible (screw heads facing down)

Maximising GPS Reception

Since the EPOS is a battery powered device, reception is critical to its performance.

The EPOS has several key features that allow it to get a GPS fix in difficult, low signal environments:

- High quality GPS receivers
- Low Noise Amplifiers
- GPS Aiding Data

This allows the device to get a fix where others wouldn't. However in reduced signal, the device will work harder (use more battery) to get a fix. Resulting in reduced battery life.

The best possible mounting location for optimal GPS reception is one that gives a clear, 180 degree view of the sky and free from obstructions. This is not to say the EPOS must be mounted here, in fact many are installed in difficult locations such as the undersides of trailers, and underneath car seats.



Mount this side towards sky

