

IntelliTrac EPOS-MINI Asset Tracker

Mounting and Installation

The EPOS-MINI 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-MINI 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-MINI is a battery powered device, reception is critical to its performance.

The EPOS-MINI 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-MINI 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

