

Tips and guidelines to

INSTALL AND MOUNT TRUSTED HARDWARE

Before you begin

1



Manage device.

Log in to the Trusted Data Portal.

2



Configure device.

Edit settings to fit your tracking needs.

3



Activate device.

Place magnet left of 'Activate with magnet' on the label.*

4



Mount device.

Follow the instructions below when possible.

* Hold magnet still until LED flashes red **continuously**. Note: It may take up to 15 minutes for new devices to stop blinking and appear online.

Get started

5 tips for installation

We recommend that you **read the full manual** to learn how to give your Trusted hardware the best conditions for a long energy-effective life. But to get started, keep these 5 tips in mind.

- ✓ Install with label facing up or pointing outwards to an open view of the sky whenever possible.
- ✓ Choose a safe, discreet location to avoid detection, removal or vandalism.
- ✓ Install the device on a solid flat area directly on assets to best track movements and vibrations.
- ✓ Install where the device is unlikely to suffer direct impacts (tree branches, tools, or the ground etc.).
- ✗ Never install the device where it is completely surrounded or covered in metal or similar materials.

Guidelines for installation

A Trusted device has many various use cases and can be installed in countless places on very different assets.

But there are **two general guidelines that serve as best practices for installation**. You should aim to fulfill these two whenever possible.

Give your Trusted hardware the best conditions for a long energy-effective life by keeping the following in mind:



Secure optimal conditions for connectivity of GSM and GPS signals

Place the hardware away from potential hazards and in a discreet place to avoid detection

1. Optimal connectivity

Secure a clear connection

A Trusted device transmits data by connecting to mobile networks much like a mobile phone. If your cell phone has a poor connection at a specific location, the device will too.

With this in mind, you should always aim to install devices with optimal conditions for data connection. This also applies to receiving the best and most accurate GPS position.

- ✗ **Never install the device where it is encapsulated in metal or similar material such as wire netting or foil.** This will severely limit the ability to capture GPS satellite signals and degrade the GSM reception and transmission (creating a Faraday shield).
- ✓ **Obtain the best radio path with horizontal placement.** Face the label upwards with GSM and GPS antennas uncovered. If the device is placed in a corner, place the GSM antenna away from the corner.
- ✓ **When mounting on a vertical or inclined surface:** Aim for the best possible unobstructed sky view for the GPS antenna.

Antenna areas



2. Safe location

Choose safe and discreet location

Even though Trusted devices are very robust, it is still recommended to avoid any clear and obvious hazards. This will protect both the device and the parts used for installation, such as screws or magnets.

Keep in mind the maximum levels of operation stated in the product sheets to maintain product warranty.

- ✔ **Ensure that the following conditions are respected to maintain product warranty.** Max impact/shock/vibration value: 8 g. Operating temperature range: -30 °C to +85 °C.
- ✔ **Install where the device is unlikely to suffer direct impacts** (tree branches, tools, or the ground etc.). When possible, also avoid unnecessary exposure to water, chemicals, mud, sand, or stone crackles.
- ✔ **Avoid detection, removal, or vandalism by selecting a discreet location.** If relevant, installations above a height of 2,5 meters are preferred as they are harder to spot and get to than a location at the ground.

Installation based on use case

Tips for securing the data you need

While keeping the guidelines for Best practices in mind, see below for tips on mounting based on the most popular use cases in order to secure the data you need.

Position data

Theft protection

- ✔ **Place in a discreet location.** Choose somewhere out of sight and away from where traditional wired tracking hardware is typically installed as thieves will know where to look for this.

Remember the device should not be entirely surrounded by metal. Test location by checking the quality of your signal in your data on Trusted Data Portal before installing permanently.

Fleet overview

- ✓ **Place device for best GPS reception.** Follow the guidelines for Best practices whenever possible. When installing devices on similar assets, consider choosing a similar mounting location.

Utilization data

Running hours

- ✓ **Place directly on assets in a flat area to best track motion and vibrations.** Install away from places of direct impacts of stone or debris. Consider installing with additional protective shield.

Service intervals based on distance

- ✓ **Place device for best GPS reception.** Follow the guidelines for Best practices whenever possible. When installing devices on similar assets, consider choosing a similar mounting location.

Accelerometer data

Impact recorder

- ✓ **Place directly on assets in a flat area to best track drops, hits, and impacts.** Install away from the most likely places of impact. Consider installing with additional protective shield.

Handling, tilt or rotation

- ✓ **Place directly on assets in a flat area to best track changes in inclination or rotation.** If placed on pallet, install away from the most likely places of impact or consider additional protective shield.

Humidity and temperature

- ✓ Place device so the RHT sensor has clear access to the surrounding air/environment while being close to the assets you want to keep safe.

Remember the device should not be entirely surrounded by metal. Test location by checking the quality of your signal in your data on Trusted Data Portal before installing permanently.

Miscellaneous

Other things to consider

You are off to the best of starts with your Trusted hardware by following the tips above. These last few tips are meant as a help to make the process even easier.

- ✓ When installing devices on similar assets, consider choosing a similar mounting location for an easy installation process with a minimum of time.
- ✓ Make a note or take a picture of your installation for later reference or replacement. Save the information on the Trusted Data Portal.
- ✓ If you want the flexibility of moving a device between different assets, consider installing device using a magnet kit (sold separately).
- ✓ Use the **Trusted Data App** when installing your device: Scan QR code to set up basic configurations, or take notes and upload pictures of your installation directly from your phone.



Always install and fasten devices properly with quality installation kits – especially on moving assets in traffic

Mount with screws or quality magnets

Trusted hardware is designed to be installed with either screws or magnets.

Screws are best for permanent installations. But if you want the flexibility of moving the device between different assets, a magnet kit is the recommended option.

When attaching devices with screws, be careful not to tighten too hard as this could exceed the recommended torque moment of 3 Nm and compromise the durability of the device.

Both installation kits are available from Trusted (sold separately).

Screws



Magnets



Support options

Support or personal service

For support or personal service, please contact your Trusted dealer or Trusted A/S directly.

For more information or general support on the Trusted data tracking solution, get help online by accessing our Help site directly from the Trusted Data Portal.