

## 1. Activation of the tracker

Activation of the tracker is preferably done with clear skies, and not inside (e.g. factory or warehouse).

Trackers are not activated when delivered to your premises. Their subscription in the platform will start within six month of purchase.



Hold a magnet for about 5 seconds on top of the logo on the tracker.

You will first see a red LED. Do not remove the magnet yet.

When the green LED is blinking you can remove the magnet. The tracker is ready for use.

## Activation troubleshooting

Activating a tracker that communicates over the NB-IoT network can sometimes come with a delay.

With a delay we mean that the online status doesn't appear within 5 minutes after holding the magnet to the tracker.

This is mostly due to conditions on the network operator site.

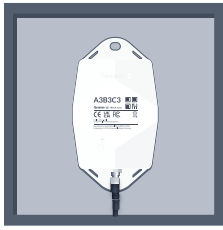
If the activation wasn't successful after 5 minutes the tracker will try again to activate again after waiting 24 hours.

This long period of time is often an obstacle to start installing trackers to assets and makes the timing of the installation of the trackers cumbersome as it is important to only install trackers when they appeared as online on the platform.

To overcome to 24 hours waiting time, you can do the following:

if after 5 minutes of waiting and the status didn't change yet to "online" hold the magnet again for 5 seconds on top of the tracker to enforce a new attempt for activation. Keep trying every 5 minutes until the Online status appears.

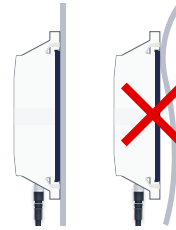
## 2. General installation advice



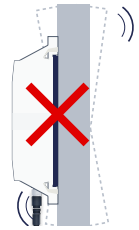
Avoid blocking the tracker's view with thick metal or carbonfibre walls. They weaken or block the radiofrequency signals.



Place the tracker as high as possible on the asset to ensure good network coverage.



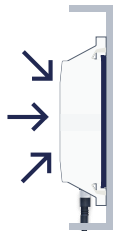
Make sure the mounting surface is **flat and clean**, for a strong and durable bond.



Do not install the tracker on parts that receive frequent shocks or vibrations.



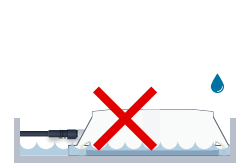
Install the tracker vertically, with the logo facing up.



If your asset is handled in a rough environment, you can place the tracker in a protected location, but never with metal or carbonfibre above the tracker.



Make sure the tracker has a clear view on the sky.

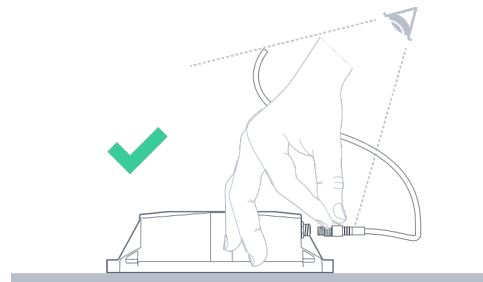
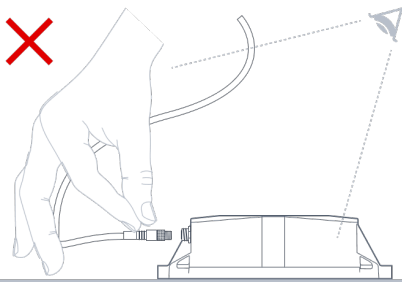


Avoid placing the tracker in a place that can collect water.

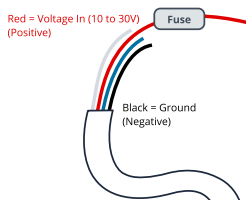
## 3. Mount the tracker onto the vehicle

[Guidelines for mounting methods for the tracker](#) can be found in the Sensolus documentation center.

Mount the tracker in such a way you have good access and a good view to the power plug of the tracker.



## 4. Fuse installation



An additional fuse (> 500mA and < 1A) can be installed.  
Install the fuse on the voltage in red cable in series.  
The tracker has an internal fuse, see specsheet for details.

The external cable is composed of 4 internal wires:

- Black: GND / Ground. Connect to black battery terminal (negative, minus sign).
- Red: VIN External voltage in. Connect to red battery terminal (positive, plus sign).
- White: Digital In / Analog In (not in use currently; pending a future firmware release at unknown date).
- Blue: Digital Out. (not in use currently; pending a future firmware release at unknown date).

## 5. Connect zone anchor to the vehicle power source.



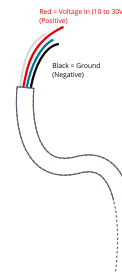
Put the cable onto the connector.  
Only the black plastic piece will go into the connector. Do not force this.



Tighten the connection by gently screwing the cable into the connector. Do not force this as well.



Check if the power cable is connected well.



You can add any connector to the end of the TRACK 1210 power connector wires.  
We recommend using heat shrink tubing on the end of the cables.

## 6. Force new configuration download on the tracker

A firmware can be uploaded on the zone anchor. Queue the firmware in the Sensolus platform first.



Hold a magnet for about 5 seconds on top of the logo on the asset tracker.

You will see a green LED.



You will see a red and green LED.  
Now remove the Magnet



Green LED is **blinking** for minimum 30 seconds.

Your tracker is checking for new configurations



You see a green LED: New configuration setting received



You see a red LED:  
No new configuration received.

## 7. Troubleshooting the tracker

1. Put the magnet on the tracker for less than 5 seconds
2. The possible LED feedback options are:



Red LED:  
Tracker is not activated



Green LED:  
Tracker is activated and working properly



No LED:  
tracker is not functioning  
(probably dead battery -> contact support)



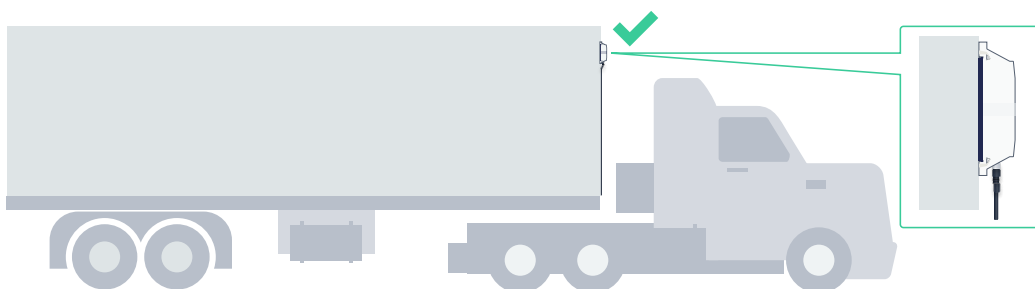
Red LED is blinking:  
Tracker is busy

## 8. Installation for shock detection

For shock sensing the installation of the way the tracker is installed is important. Testing on real assets is required before you can use the embedded shock sensor.

## 9. Installation for trailers and cooling trucks

Place the tracker as high as possible on the asset to ensure good network coverage.



Do not install on the chassis or parts with heavy vibration.

