



Installation advice

Roll trailers and cassettes

General advice

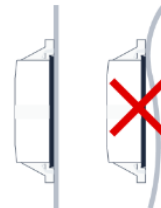
Installation advice



Avoid blocking the tracker's view with 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.



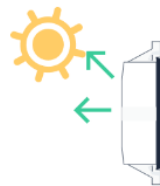
Do not install the tracker on parts that receive frequent shocks or vibrations.



Install the tracker vertically, with the logo facing up.



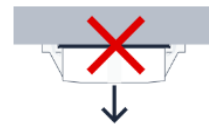
If your asset is handled in a rough environment, you can place the tracker in a protected location, but never with metal or carbonfibre above the tracker.



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



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



If you can't install vertically, do not mount the tracker upside down.



1. It is advisable to place a thermal insulation material, such as wood or plastic, between the tracker and the metal asset if the latter is subjected to prolonged exposure to sunlight.

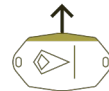
Tracker orientation

Advised installation

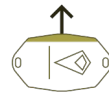


Top up: advised installation. Best for GPS antenna, no risk of water

Acceptable installation

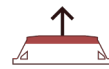


Right up: less ideal for GPS antenna but acceptable. No risk of water. Advised installation when top up is not possible

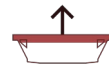


Left up: less ideal for GPS antenna but acceptable. No risk of water. Advised installation when top up is not possible

Bad installation



Front up: not a problem for GPS but risk of tracker standing in water



Back up: metal or other material above GPS antenna blocks the signal

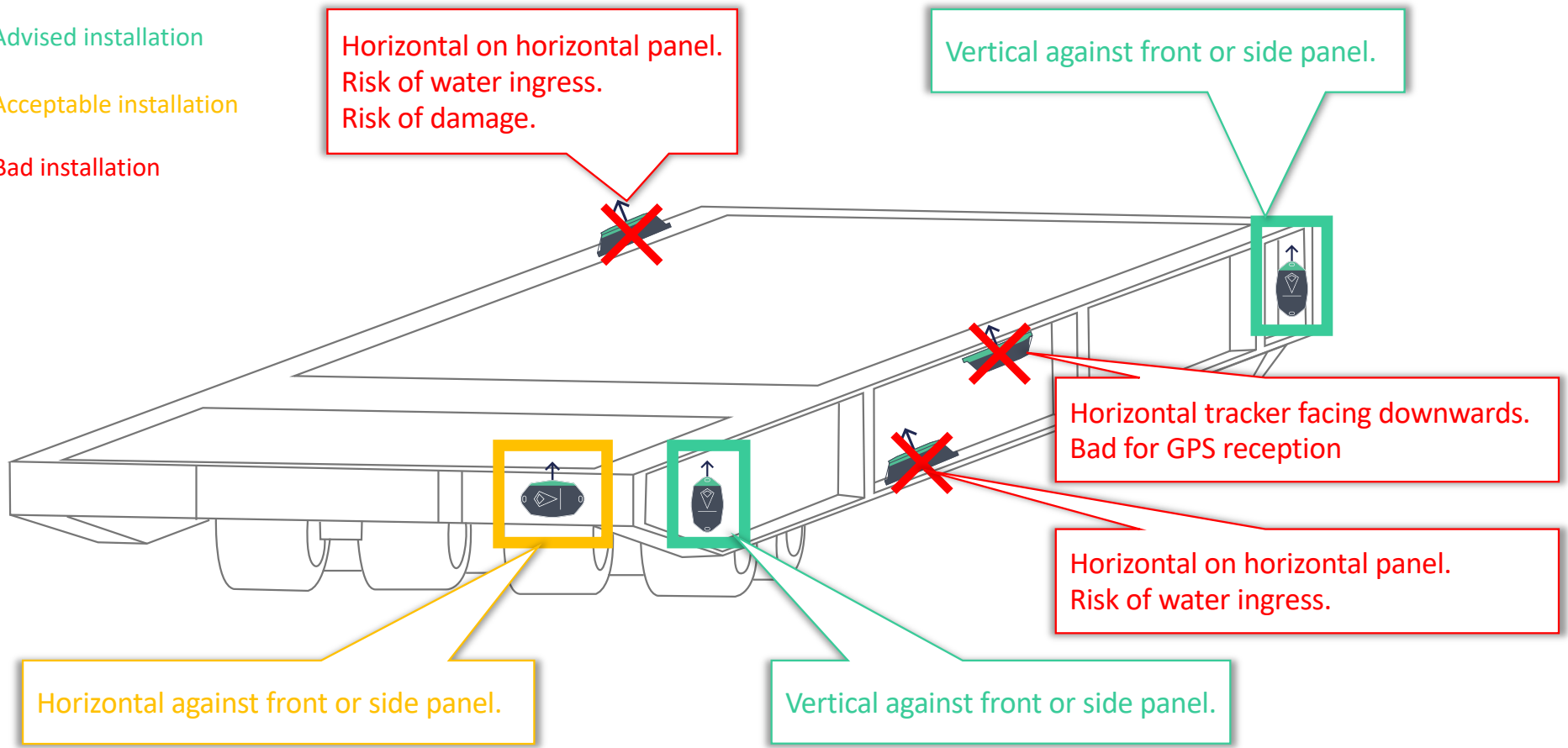


Bottom up: GPS antenna upside down = harder to determine position.

Outside trailer/cassette

Best choice because of best GPS reception (clear sky view)

- Advised installation
- Acceptable installation
- Bad installation



Inside trailer of cassette

In case it is not possible to place tracker outside.

Advised installation

Acceptable installation

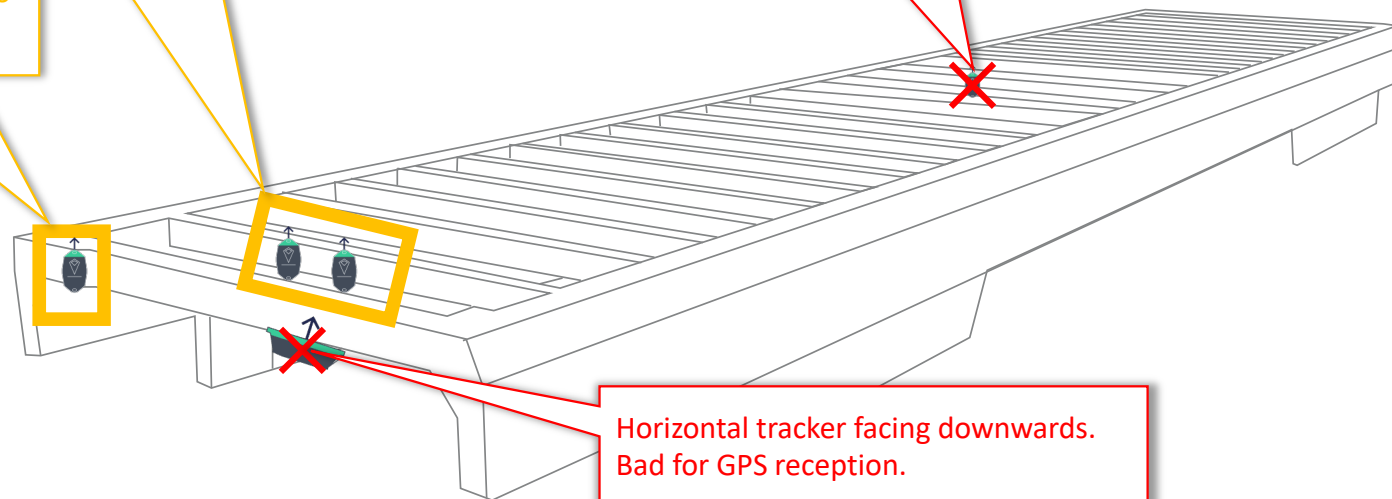
Bad installation

Vertical against cross bar. Centrally, not to have a metal 'roof' over the tracker. OR on the side if there is less risk of a load above on that location.

Vertical against front/side panel. As close as possible to front/back

Not centrally as it gives more risk of a totally covered tracker.

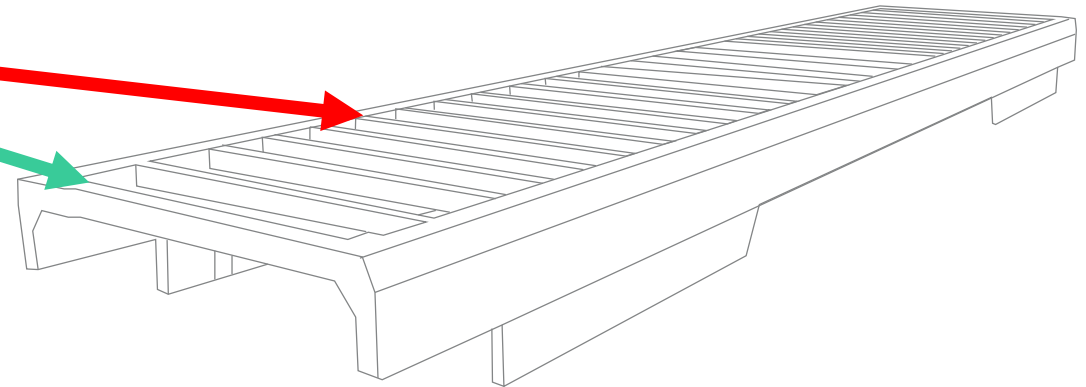
Horizontal tracker facing downwards. Bad for GPS reception.



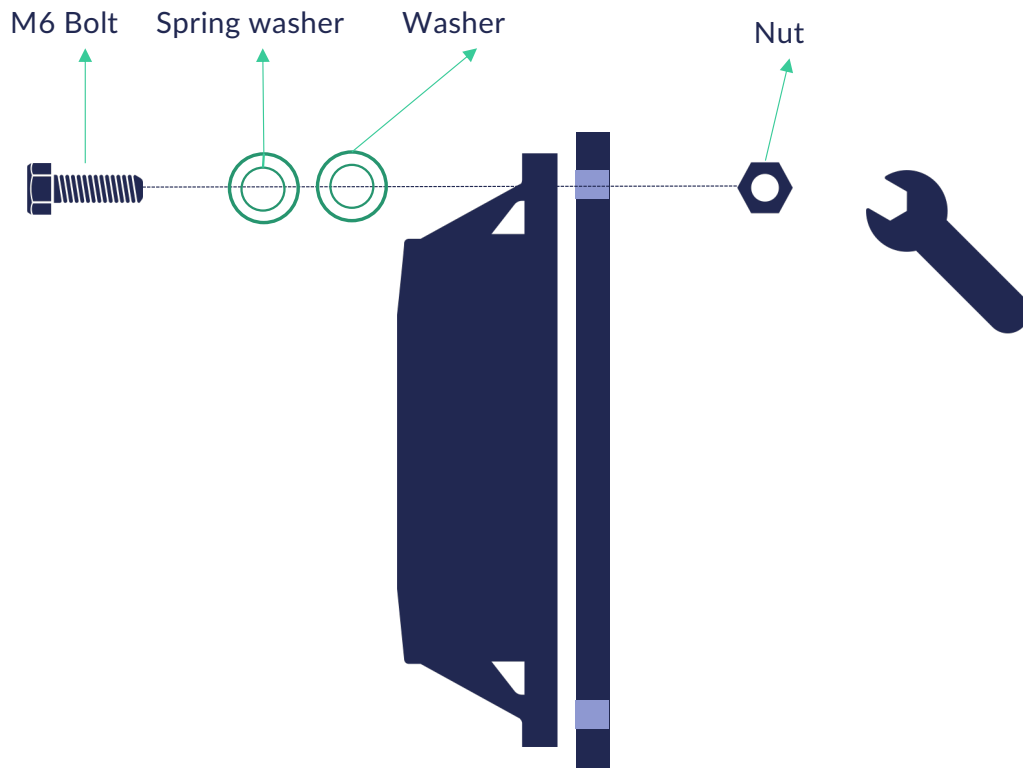
Risks



Better to install the tracker as close as possible to the front/back. NOT in the center as it is much harder for (reflected) GPS signal to reach tracker's GPS antenna. If there is a load on the wooden floor of the cassette the tracker might be fully surrounded by materials, shielding it from GPS signals

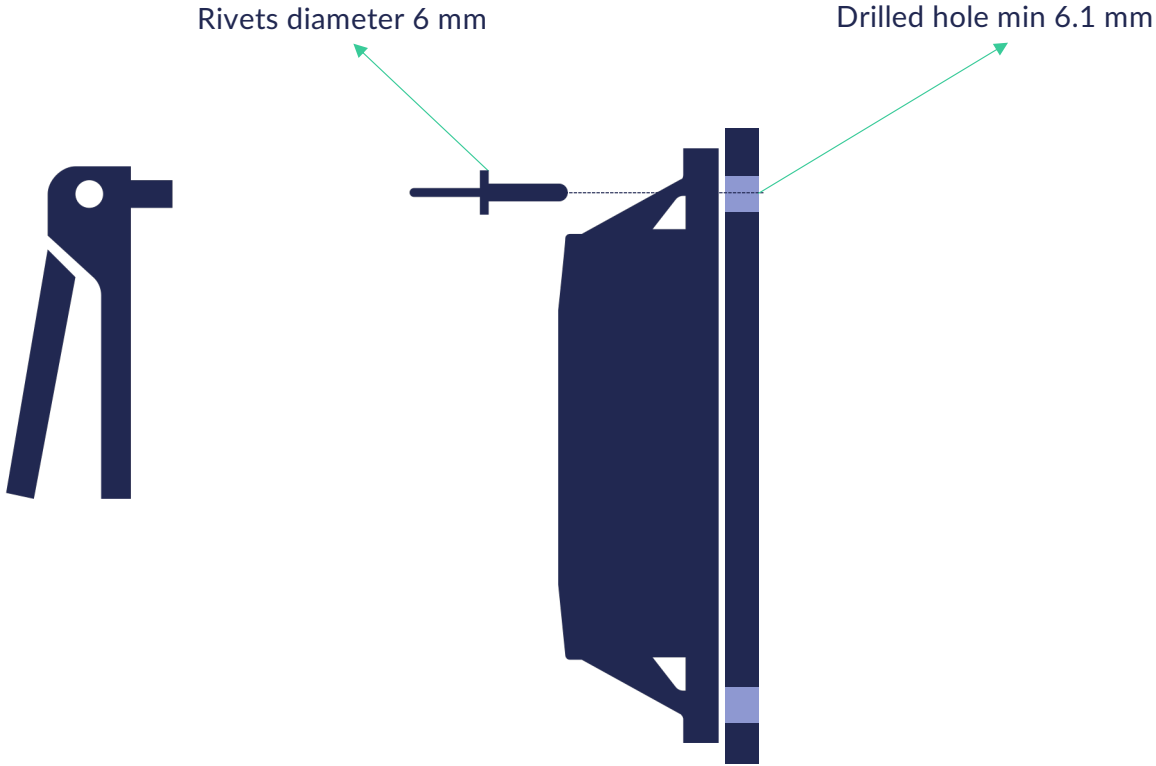


Install Track 1101 with bolts or screws



1. Use the appropriate size of screws, it is recommended to use the M6 type and to use Loctite glue on the screws.
2. Protect the tracker casing appropriately: protect the casing with a washer and use a spring washer to mitigate the effects of vibration and temperature variations
3. Don't apply too much torque during the fixation: the maximum allowed torque is **3.5NM** for an M6 screw used with a washer. Applying more torque may severely damage the tracker's casing.

Install Track 1101 with rivets



Use the appropriate size of rivets, we recommended to use rivets with a diameter of 6mm.

Links

- Installation advice for TRACK 1101:

<https://cloud.sensolus.com/documentation/en/dms-repo/SDOC-498608282-896.html>

- Product mounting advice

https://cloud.sensolus.com/documentation/en/dms-repo/SDOC-498608282-1048_6.html

- Installation advice for trailers

<https://cloud.sensolus.com/documentation/en/dms-repo/SDOC-498608282-80.html>



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