

GPS rollover notification

Why is this notification being issued?

GPS uses UTC time and date. Due to the date format used when GPS was developed every 19 years (1024 weeks) the date resets. On May 31, 2025 and August 3, 2025, the GPS date is resetting – ‘rolling over’. Further information on GPS rollover can be found on the official GPS web site. This may affect some older products with older GPS receivers. This notification is to advise you of the situation in regards to em-trak products.

What is the effect?

Not all products that use GPS will be affected. However, if your product has an old GPS receiver its date and time output will reset to 2005/2006 and therefore will be incorrect.

Will this affect my em-trak AIS transceiver product?

em-trak products use the latest GPS technology and in almost all cases are unaffected by the GPS rollover. **However, the A100 product will be affected by the rollover event.** All other em-trak products—including A200, B100, B300, B330, B350, B360, B400, I100, I100X, BUOY-Tracker, and SART100—will not be affected and will continue to function normally.

What should I do if I own an A100?

If you are using the A100, you may notice that the displayed date is incorrect after the GPS rollover event. The unit will continue to operate and transmit AIS position reports correctly, but the date field may not display accurately. **Due to the age of the A100, this cannot be corrected via a firmware update.**

For operational safety, we recommend that you do not rely on the A100's date display after this rollover. The A100 can also be configured to use an external GPS source, which will ensure the date and time remain correct.

I am still concerned.

If you are still concerned and would like further information or advice, then please do not hesitate to contact our customer support at support@em-trak.com