



SOTA LoRa APRS Tracker Lithium Battery

Dave Pegler (G1JKS) . 05.11.2025

Sadly Royal Mail, the UK's primary postal service, have taken to randomly destroying SOTA LoRa APRS trackers that are being shipped outside the UK. This, they say, is because the SOTA LoRa APRS tracker contain a Lithium Battery, which, in their view cannot be shipped internationally. They are doing this despite a UN3481 battery label being clearly displayed on the packaging, and their own guidance saying it is permitted.



We have challenged Royal Mail on this behaviour, and if we do not receive a satisfactory outcome will make a formal complain to the UK postal regulator Ofcom. Sadly, therefore until we get some clarity from Royal Mail regarding the shipping of Lithium batteries, we are unable to ship the SOTA LoRa APRS tracker internationally with a battery. As the 103450 3.7V Lithium battery used in the SOTA LoRa APRS tracker is very cheap to buy, and is widely available worldwide, we are still taking orders for the SOTA LoRa APRS tracker but shipping (outside the UK) with no battery installed. This restriction is displayed on the SOTA shop website:

SOTA APRS tracker
Price: £25.00
32.96 USD 28.48 EUR 50.44 AUD
SOTA APRS Tracker with various options
Note: Battery not included with non-UK orders

We sincerely apologies for having to make this decision, but there is currently nothing we can do about it. If you live outside the UK and receive your LoRa APRS tracker without a 103450 battery, please visit Amazon, Aliexpress or other online electronics retailers to purchase one. You will observe that inside the SOTA LoRa APRS tracker there is a small PCB below the Red ON/OFF switch - which has a PH 2mm SMD socket. This is where the battery should be plugged in, so please make sure you buy a 103450 Lithium battery with a PH 2.0 plug on the other end. It is important to buy the correct 103450 battery with the +ve (red) and -ve (black) wires in the PH plug wired the correct way around as shown in the image below (left):



Please see the SOTA LoRa APRS tracker user manual (page 5) for pictures on how to install it correctly by scanning the QR code above (right) with your phone:

If you need assistance installing a 103450 Lithium battery in your SOTA LoRa APRS tracker please e-mail

sota.lora.tracker@gmail.com