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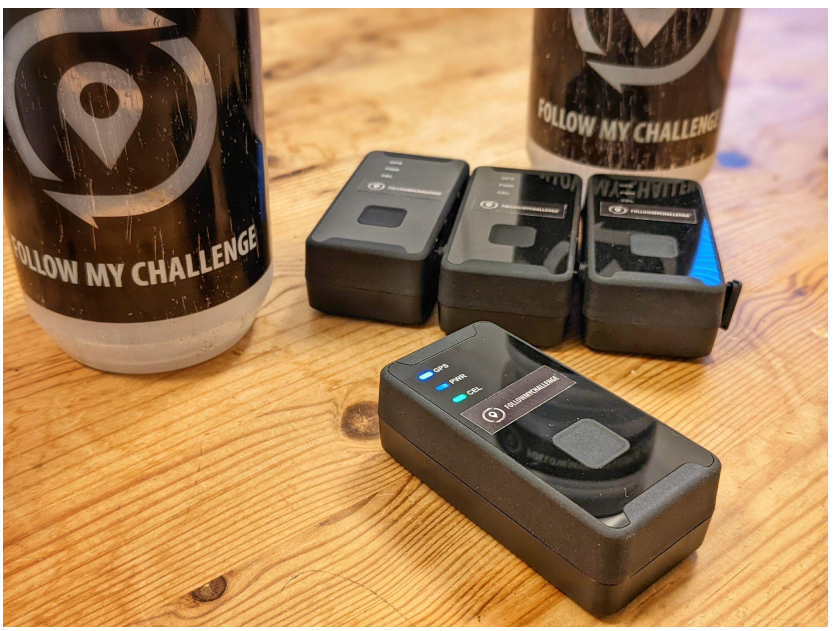
USER GUIDE FOR QUECLINK GL310/320 TRACKERS

Introducing our Trackers

Queclink trackers use GPS satellites to ascertain their position, then transmit this information over any available cell network.

Some key facts:

- If they lose network, the data is buffered and transmitted at the first possible opportunity
- Accuracy is up to 2.5 metres
- They weigh around 95 grams
- They measure 40mm x 27mm x 78mm
- They can function between -20 and +55 degrees Celsius
- When idle, the tracker goes into standby to save battery. Its motion detector allows it to wake up when movement is detected
- They have a “function” button on the front that is programmable and most commonly used for geofencing (more info below)

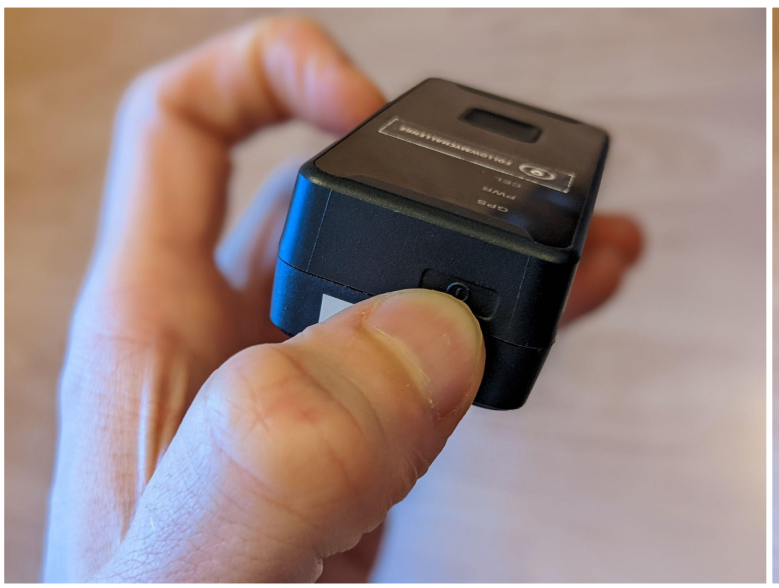


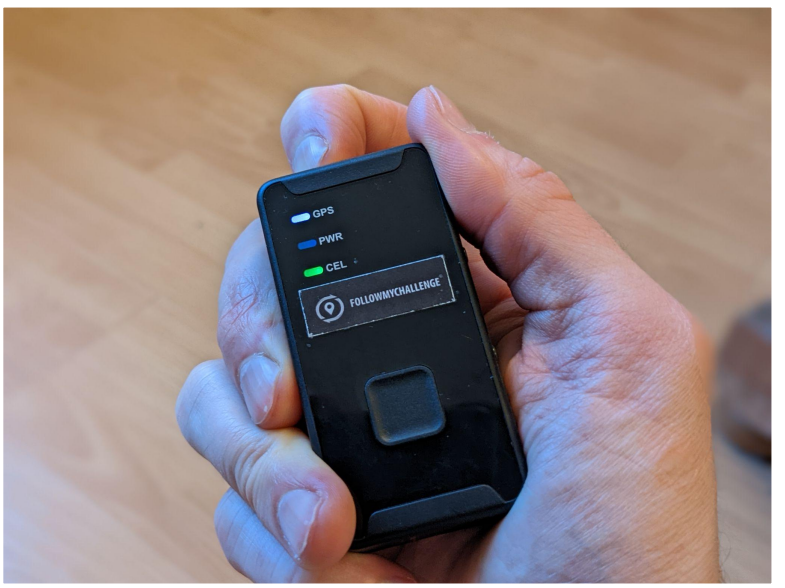
Turning the Tracker On

To turn the tracker on, hold down the button at the top of the unit. It's a recessed button, so you need to press down with the tip of your finger or thumb.

If you're pressing the button correctly, it shouldn't take more than five seconds for the tracker to boot up. The **red** power light will flash once when it turns on, while the **green** and **blue** lights will flash constantly.

Once the tracker is booted up, it will begin looking for a GPS and cell signal, with the **blue** and **green** lights flashing to indicate this. Once it has successfully fixed its position, the (**blue**) GPS light will turn off and the (**green**) network light will continue to slowly flash.

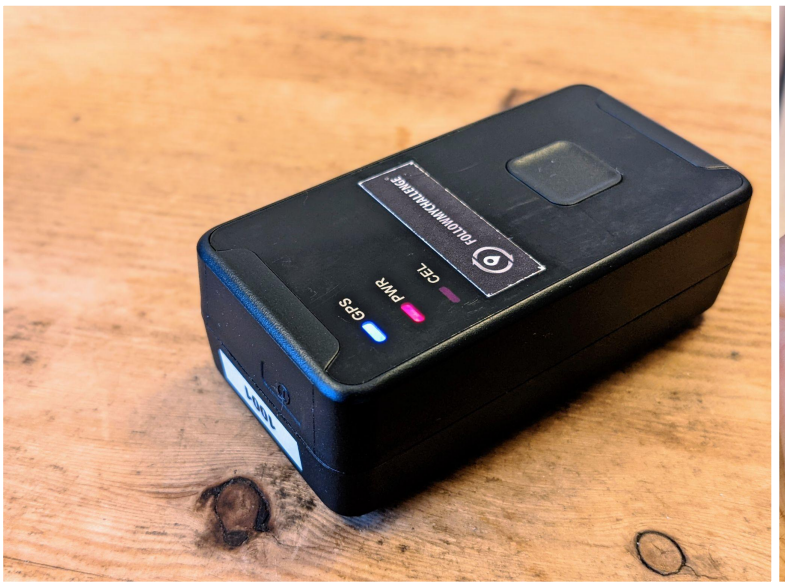




Turning the Tracker Off

To turn the tracker off, hold down the recessed power button at the top of the unit. After a few seconds, the **red** power light will start to flash.

Once the **red** power light has begun to flash, you can stop pressing the power button. Around 10 seconds later, the unit will power down and the **red**, **green** and **blue** lights will all switch off.



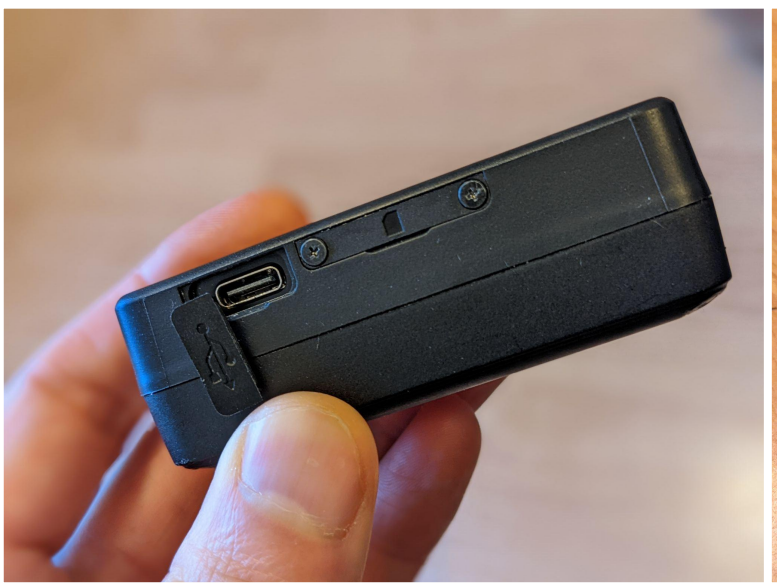
Charging the Tracker

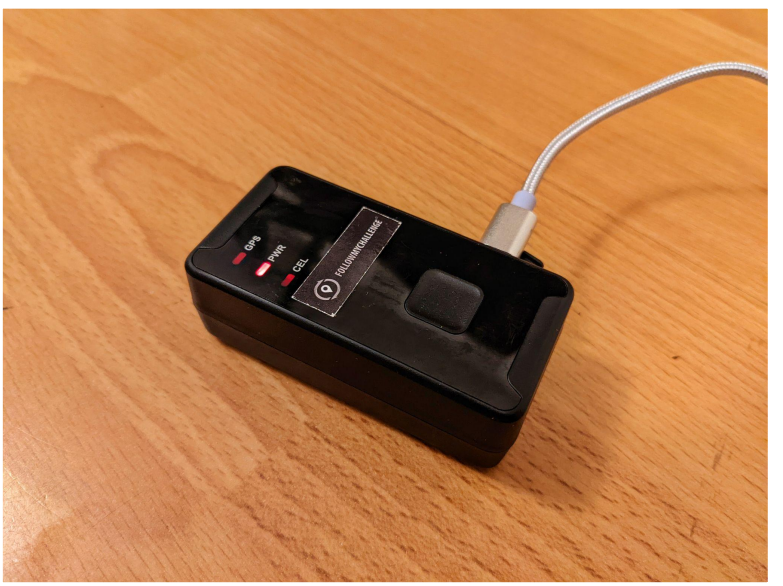
To charge the tracker, you will need a USB-A to USB-C cable. **Please note that USB-C to USB-C (fast charge) cables rarely work**. Using your nail, lift the rubber cap off the USB-C port and plug in the cable.

Whether the tracker was on or off, it will turn on when you connect it to the charging cable. The **red** light will flash whilst it is charging. Once the **red** light has stopped flashing, you know it is fully charged (usually 2-3 hours).

A typical charge last around six days when the tracker is pinging every five minutes. If the **red** power light begins flashing slowly then the tracker has low battery,

After you've disconnected the charging cable, make sure you push the rubber port cover back in properly. Without this cover pushed shut, the tracker unit is not water resistant (although even with the tab closed, it should be kept dry as it's only water resistant not fully waterproof).

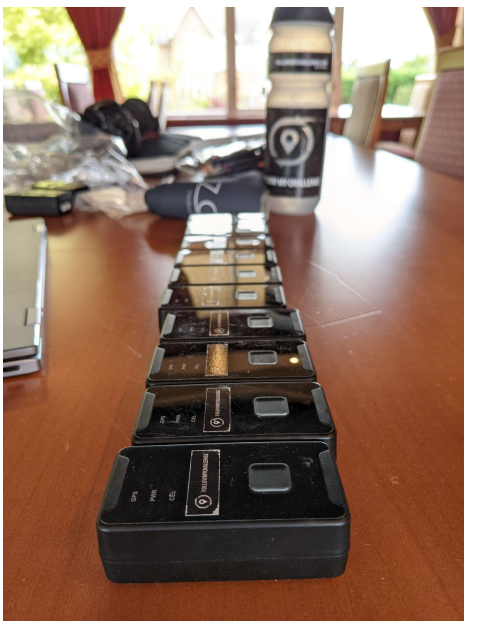




Positioning the Tracker

However you choose to carry the tracker, there are a few key things to consider to make sure it works best:

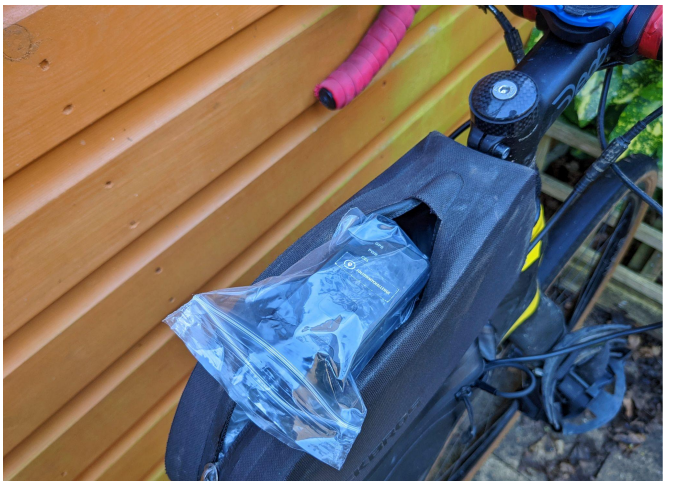
- Avoid blocking a view of the sky with anything solid e.g. your bike frame or your body
- It can be placed inside bags but must not be underneath dense or electronic items e.g. powerbanks
- Position it away from other GPS or mobile devices
- It doesn't matter which way the tracker is oriented, but it's often helpful to be able to see the lights on top
- It should be positioned securely to avoid you losing it or it working its way to the bottom of a bag (where signal isn't great!)
- Wherever you place it, please protect it with one of the little plastic bags provided. This protects it from not only rain but also things like Haribo, gels and sweat!

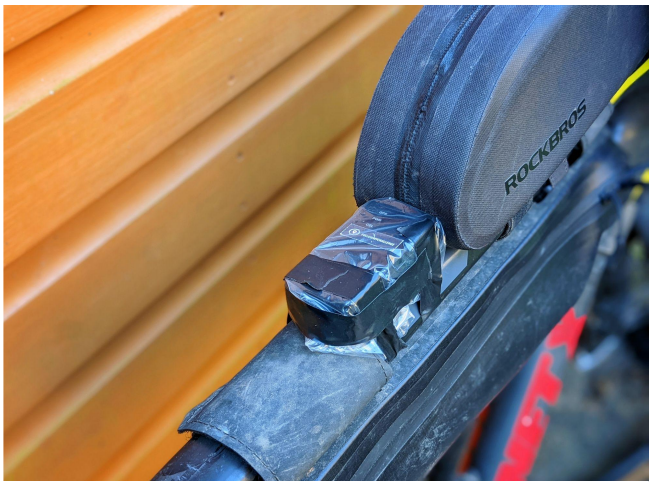


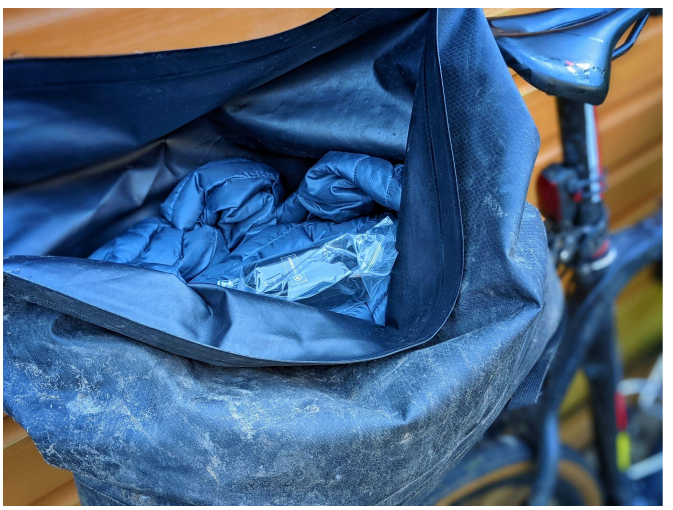
Positioning the Tracker on a Bike

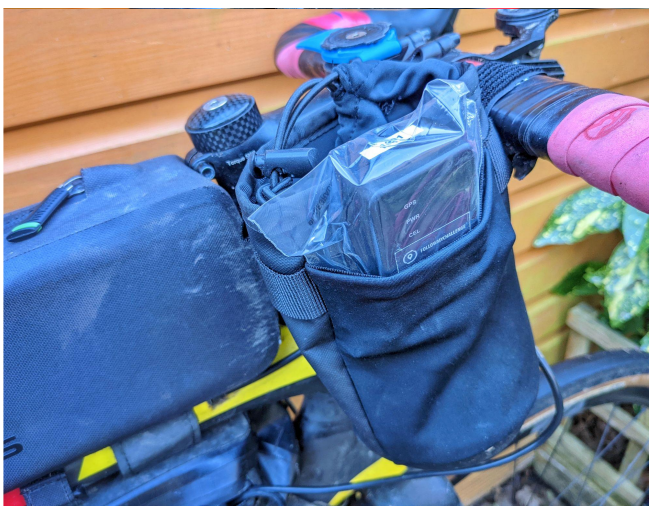
On a bike, here are some places that tend to work well for mounting the tracker:

- In a top tube bag
- Taped to the top tube (only inside a plastic bag and not beneath the saddle)
- Carried in your jersey pocket
- In the pocket of a hydration backpack
- At the top of a rear bag
- In the side pockets of handlebar snack pouches









Bad Places to Mount the Tracker

It’s quite possible to mount a tracker in one of the places below and have it work perfectly for an entire event. But, in our experience, these are some of the places that are most likely to cause problems:

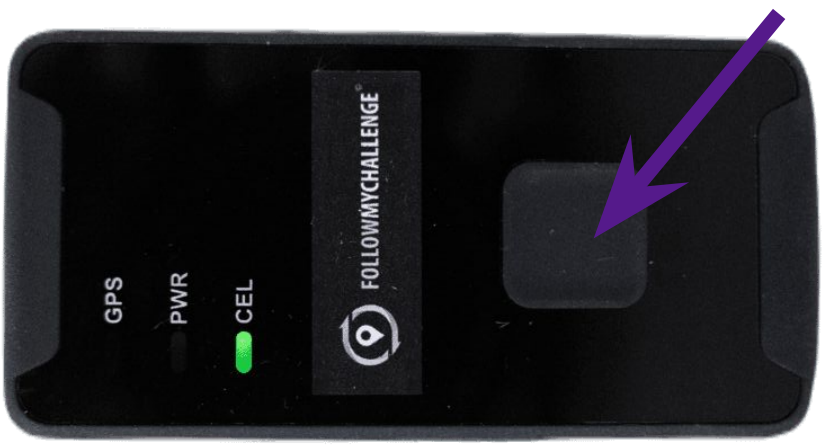
1. Next to the bottom bracket or inside a frame bag
2. Underneath the handlebars, especially if your phone/bike computer is directly above
3. At the bottom of any bag
4. Directly underneath the saddle
5. In the same pocket as your phone

Geofence Mode

Geofencing is an optional safety/privacy feature that some organisers may choose to enable. **If the event organiser has not enabled it then the below instructions will not work.**

When you activate geofencing, your real location is hidden from public view. On the map, your dot is displayed at the last point your device sent from outside the geofenced area.

To activate the geofence, **hold the function button on your tracker for 3-4 seconds or until it vibrates**. This immediately creates a geofenced area from that point, cloaking any past or future tracking points within a pre-set radius (usually a few kilometres).



While you remain within this geofenced area, your position will not update on the map. The event organiser will be able to see your real location.

When you leave the geofenced area, your location will begin updating on the map again. All previously geofenced tracking points will also display. **You cannot deactivate the geofence once pressed except by leaving the area, so do not press the button accidentally.**

Additional Info: Tracker LEDs

LED	State	Meaning
Green (Cell)	Fast flash	Searching
	Slow flash	Network registered
	No light	Powered off
Blue (GPS)	Fast flash	Finding satellites
	Slow flash	GPS data error
Red (Power)	Solid light	Fully charged (only if cable inserted)
	Fast flash	Charging (only if cable inserted)
	Fast flash	Powering off (only after button press)
	Fast flash	Error (if no cable inserted or button pressed)
	Slow flash	Low power alert

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