Background

EmaLink hardware and firmware was improved to report the estimate remaining battery capacity. The estimate is not perfect but should still be a decent indicator of remaining battery life. In order to see the remaining charge in Loop or FreeAps, you need to implement some changes to one of its components: rileylink_ios. There are 2 ways to do it, both require some software skills.

Solution 1 (medium): use a different rileylink_ios in your build

Steps:

- start from Loop dev branch
- in the Cartfile, change from github "ps2/rileylink_ios" "dev" to github "Andrei0105/rileylink_ios" "battery-dev"
- delete cartfile.resolved or execute carthage update
- build loop; first build may fail but the second build always works

Solution 2 (hard): create a patch for your rileylink_ios of choice

Apply this patch below to the rileylink_ios that you want to use. This may require some changes as rileylink_ios code might be already different

https://github.com/Andrei0105/rileylink_ios/commit/bdadeebf08977e7428b871b4ec696280328220d8