The photon code gets put on the photons through the Particle Build IDE. To access that, go to [https://build.particle.io/build](https://build.particle.io/build" \t "_blank) and log in using the same log-in info you use for the IRSAW dropbox. The <> icon on the left side opens and closes the code list. All our files that we have put on the photons are in here.

Connecting to eduroam is the worst. Use:

IVR\_IT\_SERVER\_weefee

Pass9872!

There are two main types of files for the latest version:

1. The photon with two buttons get's the code "NewButton" which implements the vibration silencing button. Currently it is configured to be the Top Center box.

2. The rest of the boxes (besides the top center box) get the code that matches their name: BottomRight, BottomLeft, MiddleRight, MiddleLeft, MiddleCenter, TopRight and TopLeft. The only difference between these files is the variable *myName* that gets a unique number for each box as shown in the comments.

The most updated documents and code from my time will be in DropBox under "Files > LEO Belt". The Photon code in there has copies of the two types of files mentioned above in case you need to go back to something that works. In the Documentation Folder, the file "Build It Tutorial 1.2" is essentially the manual for this project. Step 3 has more information on building the photons as well as some notes on programming them. I've copied some of the more important notes below:

Note 1

If you haven’t used a Particle Photon before, follow the instructions on [http://docs.Particle.io/](http://docs.particle.io/) to learn how to flash the Particle Photon. See the Appendix in the "Build It Tutorial 1.2" for how to connect to them using eduroam.

Note 2

Once the photon is flashed, we are disconnecting it from the cloud, so to reflash the photon with any updated code, you have to set the Photon to Safe Mode first ( <https://docs.particle.io/guide/getting-started/modes/photon/> ). Once the Photon is in Safe Mode, you can update the Photon as mentioned in the tutorial in Note 1.

Note 3

When programming the vibration-silencing Photon on Particle Build, select the device by clicking the star to the left and then click the arrow to the right to open up more options. Whenever you flash this photon, make sure the second dropdown menu says System firmware target: 0.5.2 before you flash it. Ignore what is on the device; it works as long as the target is 0.5.2 when you flash it.

Hope that helps, let me know if you still have any issues or if I skipped any steps.