How to setup the portable router for Intel RealSense Spatial Awareness Wearable

The Laptop connecting to the portable router is assigned fixed IP in the router and is reserved in the router. This is done because the main camera application running on the laptop runs a TCP server and it has to have fixed IP address to which the Particle photon clients connect to. The Vibration Actuators, which run the TCP Client application connect to a TCP server with a specific IP Address.

In the sample code for the Particle Photon (The WiFi enabled microcontroller), The Particle photons connect to a server with a specific address and port number. (IP Address: 198.162.0.102, Port No.: 5555) The laptop needs to be assigned this IP address in the router. This IP address can be changed, but you have to make sure that the IP Address in the Particle Photon Code matches with the reserved IP address for the laptop in the router. So if one changes, the other has to change.