

Prepare Beacon Devices

B1. Unique ID & Advertising Interval

After placing the beacons (having in mind their transmission power), then you have to prepare them, by setting a unique ID value as well as defining their advertising interval.

QR-Patrol supports both ibeacon (made by Apple) and eddystone (made by Google) beacon protocols.

- For ibeacon protocol this ID must be a unique combination of UUID, major and minor values. We suggest that you keep UUID value the same for all beacons, and that you distinguish them by setting different value to one (both) of the major/minor values.
- For eddystone protocol, the ID must be a unique combination of namespace ID (nid) and beacon ID (bid).

We suggest that you set the advertising interval to be around 200-300 ms (milliseconds). NOTE: To retrieve/program these values, use the Application provided by your Beacon supplier. (e.g. Estimote)

B2. Transmission Power

Next, you have to choose the transmit power of each beacon. Note: The beacon values you can define are specific (you cannot manually enter any value), i.e. the manufacturer allows (through the application) to set values by selecting from a predefined set (e.g. a set could be {3.5m, 7m, 15m, ...}). The transmit range value you need to set depends on the precision you wish to achieve and of course also depends on the number of beacons you plan to use.



It is often the case that the transmission power values do not correspond to real use, i.e. in reality the transmission power is higher than what you have defined. In most manufacturers we tested, it is around 20% more. So, we suggest choosing the transmission power (actual target value) that fits your needs in the Beacon supplier application but we also recommend setting the desired beacon accuracy in the web app (i.e. <https://followmystaff.com/>) by

< Beacon - ID: 252071

Point code: 004b4bb5ba2c4d5f94b671_380900800808

Check Point Name: Beacon 1

Check Point Notes:

Latitude: 59.861482

Longitude: 50.851482

Coverage Radius: 10

Coverage Enabled: ☒

Branch Office: Main Branch Office

Client: Ssesen County - University IZ

Site: West Wing Corridor

Lock: ☐

Custom Maps: Select an Option

Client Site Code: 34401

Check Point:

Indoor: ☒

Floor:

