

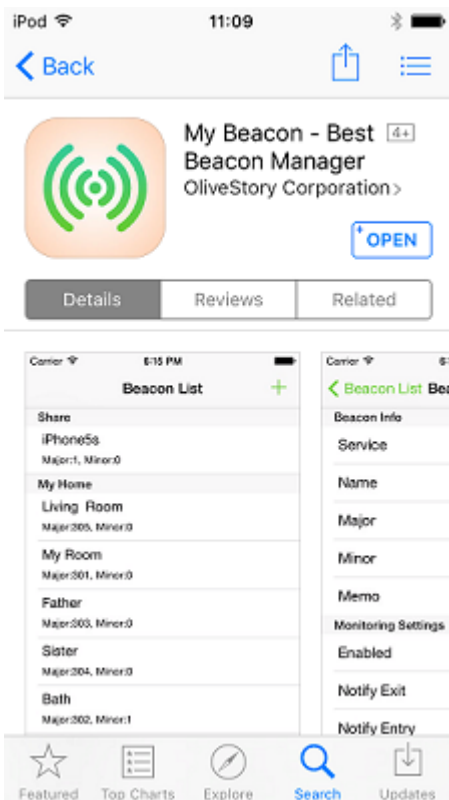


Melody Smart iBeacon Example

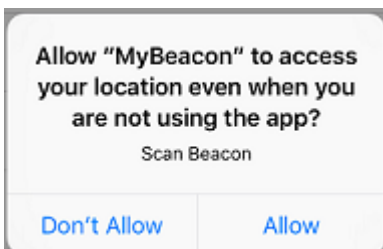
This Document outlines how to test the iBeacon functionality on Melody Smart 3.6.0 and above.

Preparing iOS device

For this example, we will be installing a Beacon app on our iOS device. The app is called My Beacon, and below is a screenshot of the app store on an iPod.



Note here that the when the application is starting for the first time it will request access to your location. It is required to allow the access, otherwise it will not be able to find the iBeacons.

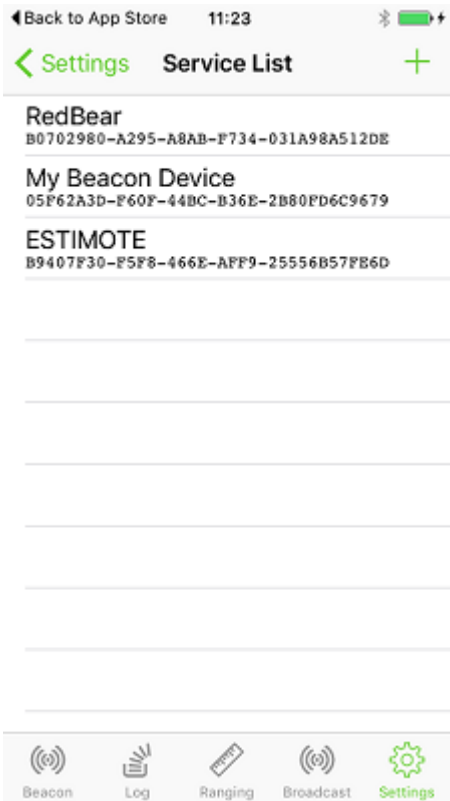


We will keep the defaults for the application and use the registered iBeacon UUID.

To find the iBeacon UUID the app will be looking for you can to settings and services.



Melody Smart iBeacon Example



We will be using the My Beacon Device UUID

05F62A3D-F60F-44BC-B36E-2B80FD6C9679

Before moving to Melody, switch to the Ranging view on the app.



Melody Smart iBeacon Example

Configuring MelodySmart

To create an iBeacon from scratch for the UUID 05F62A3D-F60F-44BC-B36E-2B80FD6C9679 with the Major field containing the data 0x0BCD and the Minor field containing the data 0x1234, power output at -30dBm, the following configurations and commands need to be issued:

```
SET CCON=ON
SET ADVF=0064 0064
SET ADVP=FAST
SET IBTP=1
SET IBUD=05F6 2A3D F60F 44BC B36E 2B80 FD6C 9679
SET IBMJ=0BCD
SET IBMN=1234
SET IBPW=E2
SET IBEN=ON
WRT
RST
```

Melody Smart will then reset into iBeacon mode and start continually advertising with the iBeacon data as supplied above.

When MelodySmart resets, the application on the iOS device will detect the iBeacon and shows it on the display.

