

Interfacing with the Inspector BLE over Bluetooth.

Date: 2022.05.02

The Bluetooth interface on Inspector BLE was designed to be very easy to use for anyone who wants to use it with their own app.

Bluetooth name

The Inspector BLE broadcasts the “InspectorBLE-XXXX” name, where “XXXX” is different for each Inspector and is the last two bytes of the Inspector’s Bluetooth MAC address. This makes it easier to work with several units at the same time.

Bluetooth service

The Inspector BLE advertises a Bluetooth service at UUID **39b31fec-b63a-4ef7-b163-a7317872007f** with one characteristic called **d68236af-266f-4486-b42d-80356ed5afb7**

You can enable notifications on this characteristic to receive the current CPM in ASCII format, with the following syntax: “ CPM,” (space, CPM, then a comma). For instance: ' 22,'

The use of “notifications” rather than “indications” was made because notifications are simple non-acknowledged broadcasts and more resilient to bad signal transmission - some notifications might be lost, but won't break the Bluetooth connection.

Source code example

You can find a sample Javascript driver source code for Inspector BLE for the Wizkers.io open source project at :

https://github.com/wizkers/wizkers/blob/master/wizkers/oem/nuclear/www/js/app/instruments/inspector_ble/driver_backend.js