

Configuring Blue Puck/Coin sensors

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Configuring Blue Puck/Coin sensors



Bluetooth® LE Blue Puck and Blue Coin sensors are disabled by default. Configurations to these sensors are written through NFC.

To do this download [Device Manager Mobile](#) by Ela from *Google Play Store* to your Android-powered device.

Note! Android-powered device that is used for configuring Blue Puck/Coin sensors must support NFC read/write functionality.

Follow these instructions to easily configure Blue Puck/Coin Bluetooth® LE sensor:

- Enable Bluetooth® and NFC on your Android-powered device.
- Launch **Device Manager Mobile** on your Android-powered device.
- Select *Configuration*.
- Place your Android-powered device on top of Blue Puck/Coin sensor to scan it.
- Click *Enable* to allow Blue Puck/Coin sensor transmit advertising data. If it shows a tick, it is already connected to your phone.
- We recommend to set *Power* to 4 to get the best possible distance.
- Set *BLE Emit Period* to 1 seconds to get best possible sensor detection.
- Click *Write* button.
- Place your Android-powered device on top of Blue Puck/Coin sensor to write configuration to it.

Once the configuration is written successfully, the Blue Puck/Coin sensor will be enabled and use the settings configured in the APP.

NOTE! Make sure that *Manufacturer data mode* is Disabled, otherwise BLE sensor will not be detected without additional changes in the device configuration.

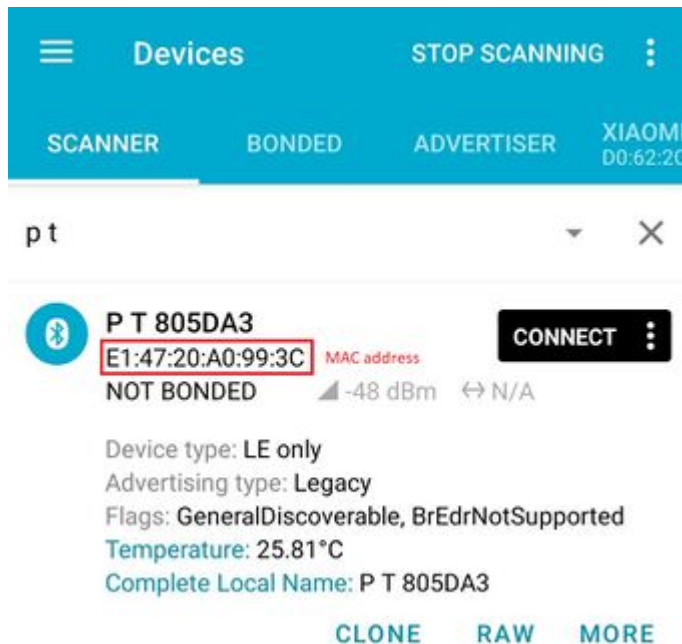
Configuring device with Blue Puck/Coin sensors

[File:Bluetooth@ general.png](#)

These are instructions on how to easily read data from **Blue Puck/Coin** Bluetooth® LE sensor with the chosen device.

First the device **Bluetooth® settings** need to be configured. These are the required steps:

- Press Bluetooth® settings.
 - Turn on **BT Radio** by pressing **Enable (hidden)** or **Enable (visible)**.
- Press Bluetooth® 4.0 settings.
 - Select **Advanced** in **BLE connectionless functionalities** section.



- Type your **Blue Puck/Coin** MAC address in MAC field. You can check what is your MAC address by using [nRF connect for Mobile](#) app from *Google Play*.
- Configure the sensor fields according to the type of sensor used. More information about these settings can be found on [Blue Puck/Coin presets](#) section.
- After all these steps press **Save** to device to save configuration.

- To start BLE scan right away press Discover BLE.



To check if the device has already received data from **Blue Puck/Coin** Bluetooth® LE sensor, follow these steps:

- Navigate to Status section.
- Press I/O Info and look if **BLE Temp**, **BLE Battery** and **BLE Humidity** has any values (depends on the type of sensor being used).

Blue Puck/Coin presets

Using premade Blue Puck/Coin sensor presets

The configurator can include premade presets for sensors such as Blue PUCK/COIN MOV, MAG, T, RHT and etc.

BLE connectionless functionalities

1st Sensor

Connection #1


Settings

MAC

Type	Data Offset	Data Size	Action	IO	Match	Endianness	Multiplier	Offset
	0	0	Match	None		Little Endian	1	0
	0	0	Match	None		Little Endian	1	0
	0	0	Match	None		Little Endian	1	0
	0	0	Match	None		Little Endian	1	0
	0	0	Match	None		Little Endian	1	0

NOTE!

In order to have sensor presets included in the configurator, every preset has to be recorded in the configuration, saved to a file and placed to Documents folder of your computer.

Also, premade sensor presets can be downloaded using this 

To read data from **Blue Puck/Coin** sensors, **Sensor** table must be configured with specified parameters to a particular sensor.

Blue Puck/Coin T

Bluetooth® LE Temperature sensor configuration

Type	Data Offset	Data Size	Action	IO	Match	Endianness	Multiplier	Offset
FE	5	2	Match	None	6E2A	Little Endian	1	0
FE	7	2	Save	Temperature		Big Endian	0.1	0

Blue Puck/Coin RHT

Bluetooth® LE Temperature and Humidity sensor configuration

Type	Data Offset	Data Size	Action	IO	Match	Endianness	Multiplier	Offset
FE	5	2	Match	None	6E2A	Little Endian	1	0
FE	7	2	Save	Temperature		Big Endian	0.1	0
FE	11	2	Match	None	6F2A	Little Endian	1	0
FE	13	1	Save	Humidity		Little Endian	10	0

Blue Puck/Coin MAG

Bluetooth® LE Magnet sensor configuration

Type	Data Offset	Data Size	Action	IO	Match	Endianness	Multiplier	Offset
FE	5	2	Match	None	062A	Little Endian	1	0
FE	7	2	Save	Custom		Little Endian	1	0

Blue Puck/Coin MOV

Bluetooth® LE Movement sensor configuration

Type	Data Offset	Data Size	Action	IO	Match	Endianness	Multiplier	Offset
FE	5	2	Match	None	062A	Little Endian	1	0
FE	7	2	Save	Custom		Little Endian	1	0