buildkitboards

How to use the XMatic iOS & VESC Tool Mobile App

XMatic iOS & VESC Tool App Guide

Written By: Jared Ebersole
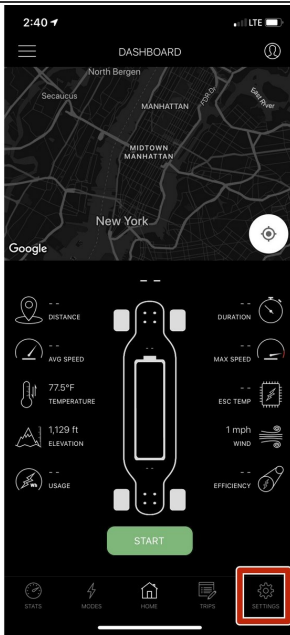
This document was generated on 2021-12-22 09:03:21 PM (MST).

© 2021   buildkitboards.dozuki.com/   Page 1 of 6

⚙ PARTS:

- NRF Bluetooth Module (1)

This document was generated on 2021-12-22 09:03:21 PM (MST).
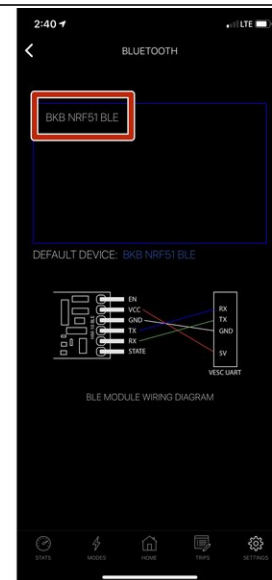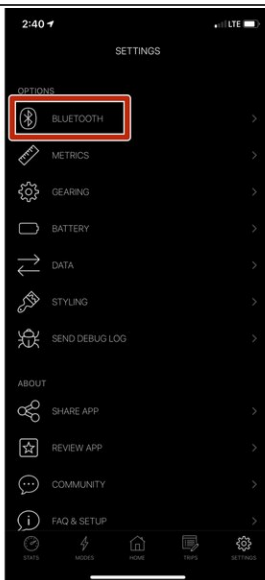
Step 1 — iOS XMatic Setup

- Download the app from the [App Store](#)
  - ⓘ This app is developed by a 3rd Party, not BKB

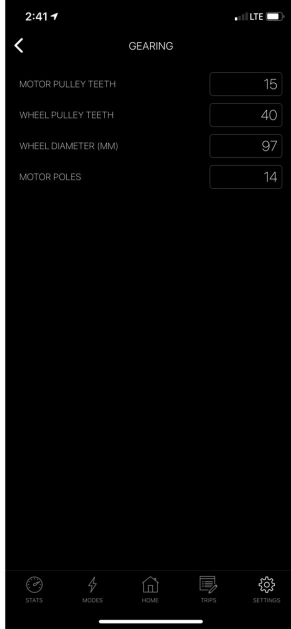⚠ Do NOT connect to the bluetooth module in your phone's settings app. Only connect to it inside the Xmatic App

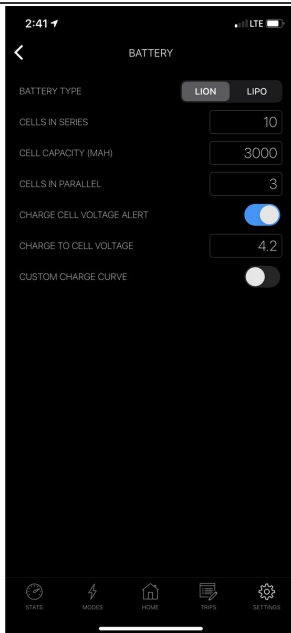- Open the settings tab (bottom right)

Step 2

- Select the Bluetooth Menu

- Select BKB NRF51 BLE from the options
  - ⓘ If this option is not shown, make sure the module is plugged in and the board is turned on

This document was generated on 2021-12-22 09:03:21 PM (MST).
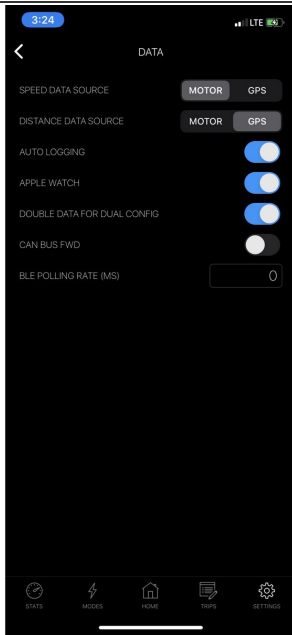
Step 3

- Go into the gearing settings and change the values to the following
  - Motor Pulley Teeth: 15
  - Wheel Pulley Teeth: 40
  - Wheel Diameter: 97
  - Motor Poles: 14
- (i) If you have the 105/120mm Cloud Wheel you will need to change the Wheel Diameter Option. If you have the 6in Pneumatic Tires set the value to 153
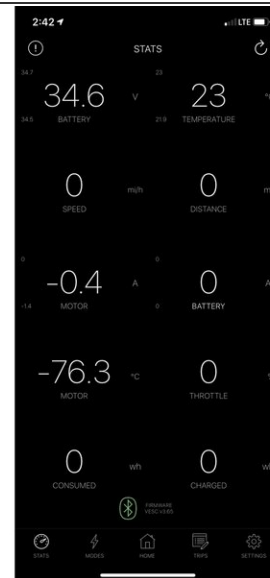
Step 4

- Go to the Battery Settings and change the values to the following
  - Battery Type: LION
  - Cells In Series: 10
  - Cell Capacity (MAH): 3000
  - Cells In Parallel: 3
  - Charge Cell Voltage Alert: ON
  - Charge to Cell Voltage: 4.2
  - Custom Charge Curve: OFF

This document was generated on 2021-12-22 09:03:21 PM (MST).

Step 5

- Go to the Data Settings and change the values to the following
  - Speed Data Source: MOTOR
  - Distance Data Source: GPS
  - Auto Logging: ON
  - Apple Watch: ON (if you have one)
  - Double Data for Dual Config: ON
  - CAN BUS FWD: OFF
  - BLE Polling Rate: 0

Step 6

- You can then use the STATS and HOME tab to monitor your ride!

Step 7 — VESC Tool (Android)

- Download the app from the Google Play Store
  - ⓘ This app is developed by a 3rd Party, not BKB