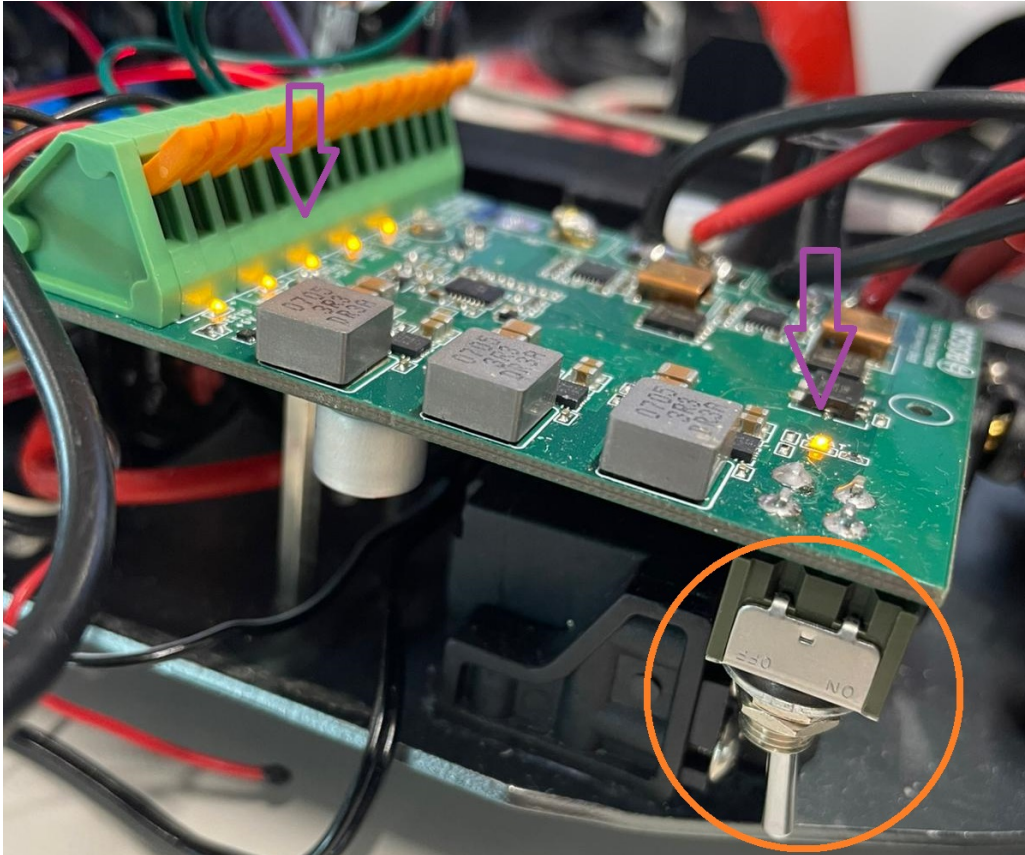


# Demo

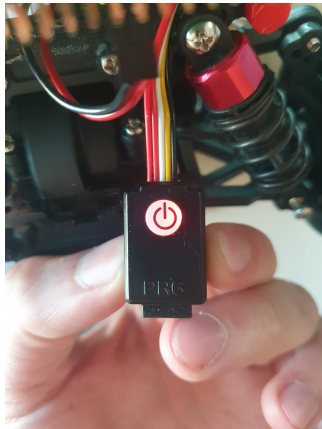
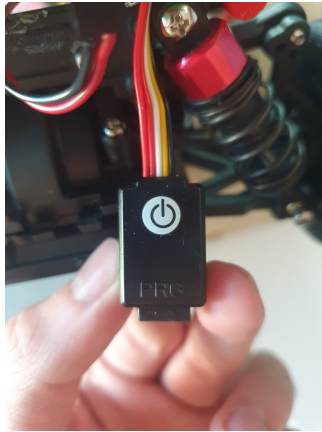
## 1. Power Up the System

- Ensure the battery is connected to the power board.
- Turn on the power supply using the switch.
- The LEDs should turn on.



## 2. Power Up the Brushless Motor & ESC

- Press the button once to start the ESC.
- You should hear **two short beeps** (motor ready) followed by a **slightly longer beep** (ESC calibrated).
- The button should begin flashing red.



### 3. Wait & Connect to Wi-Fi

- Wait for the Wi-Fi network **BFMCDemoCar** to appear. (On first boot with our image, the Raspberry Pi may take longer than expected.)
- Connect using the password: **supersecurepassword**
- Or scan the QR code below (works on a phone as well):



### 4. Connect to the Frontend

- Open any browser and go to: **<http://192.168.50.1:4200>**
- Or scan the QR code:



## 5. Log In & Initialize

- Wait for the “**Backend connection lost**” message to disappear. (The frontend starts immediately; the backend starts only after the webpage connects.)
- Leave the password field empty.
- Press **Submit**.
- Close the “**Security Setup Required**” popup. It will reappear until you set a password in `src/dashboard/frontend/src/app/app.component.ts` (line 50).
- To change the popup timeout, modify line 194 (value in ms).
- To disable the alert entirely, set line 152 to **False**.

## 6. Explore the Interface

- Set **Battery status (KL)** to: - **15** for sensor data - **30** for motor activation
- Set **Driving mode** → **Manual** to control the car using the keyboard (the beeper should activate).
- Drive using: **W A S D + Space** (brake).
- To stop, set **Driving Mode** → **Stop** and **Battery status** → **0** (the beeper should activate again).

