 <b>NATUTION</b> <small>smart eco robots</small>	<b>Gamme de préparation</b>		<b>Pièce ou ensemble réalisé</b> N0068	<b>Validation</b>	Page 1/1
	<b>Programmation</b>				GPP
	<b>Configuration VESC Motor</b>		<b>Poste de travail</b> Bureau		00X
					v. 1

Tools:

PC with vesctool


Cable USB - microUSB

1 Connect to VESC Z using USB cable using Autoconnect button

2 Start Setup Motor FOC

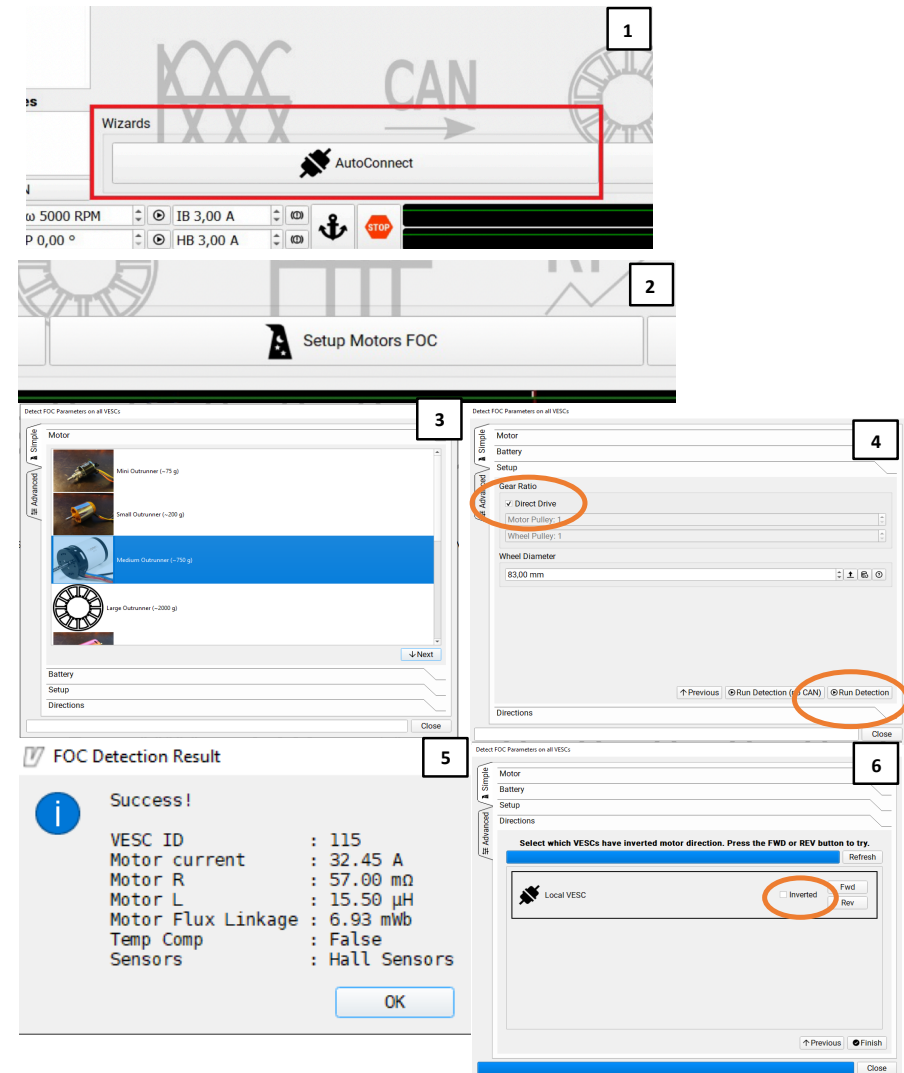
3 Choose Medium Outrunner

4 Choose direct drive and then Run Detection

 Be sure that the motor is free to turn

5 Check that Motor R, Motor L are not 0 and Sensors: Hall Sensors  
If movement of the motor is not smooth or process is longer than 30s  
battery charge is to be checked

6 Check the rotation direction by clicking Fwd and Rev  
For both VESC: Fwd - clockwise rotation, Rev - counterclockwise rotation  
Use checkbox "Inverted" to achieve needed rotation direction



The screenshots illustrate the steps for configuring a motor in VESCTOOL:

- AutoConnect:** The 'AutoConnect' button is highlighted in the 'Wizards' section.
- Setup Motors FOC:** The 'Setup Motors FOC' button is highlighted in the main interface.
- Motor Selection:** The 'Medium Outrunner (~750 g)' is selected from the 'Motor' list.
- Direct Drive Selection:** The 'Direct Drive' option is selected under 'Gear Ratio'.
- Run Detection:** The 'Run Detection' button is highlighted in the 'Directions' section.
- FOC Detection Result:** The 'Success!' message is displayed, showing motor parameters: VESC ID: 115, Motor current: 32.45 A, Motor R: 57.00 mΩ, Motor L: 15.50 μH, Motor Flux Linkage: 6.93 mWb, Temp Comp: False, Sensors: Hall Sensors.
- Inverted Checkbox:** The 'Inverted' checkbox is highlighted in the 'Directions' section.