

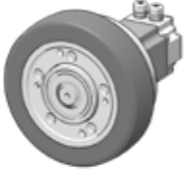
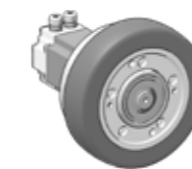


**AGV SOLUTION**



**500KG  
AGV060**

**QUICKSTART GUIDE**

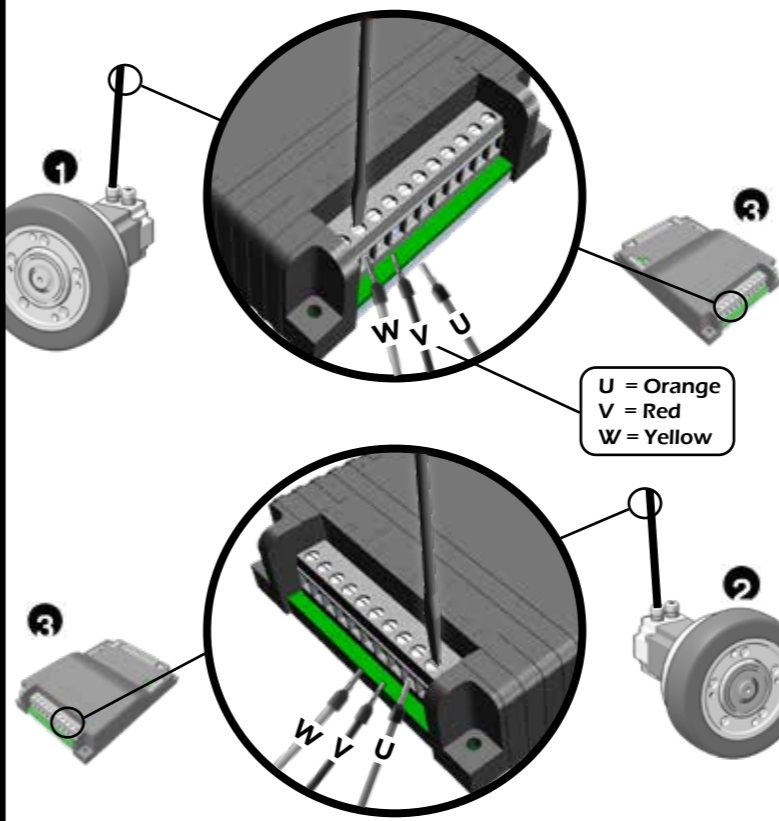
**SOLUTION KIT CONTENTS:**

- 1**  Low voltage motor, with integrated gearbox and AGV wheel mounted.
- 2**  Low voltage motor, with integrated gearbox and AGV wheel mounted.
- 3**  Dual channel drive controller.
- 4**  Dual channel drive controller cable.

Also required to complete the setup process is:  
 » USB to Mini USB cable  
 » PC running Windows 7 or higher  
 » 24V - 48V power source  
 (these items are not included in the solution kit)

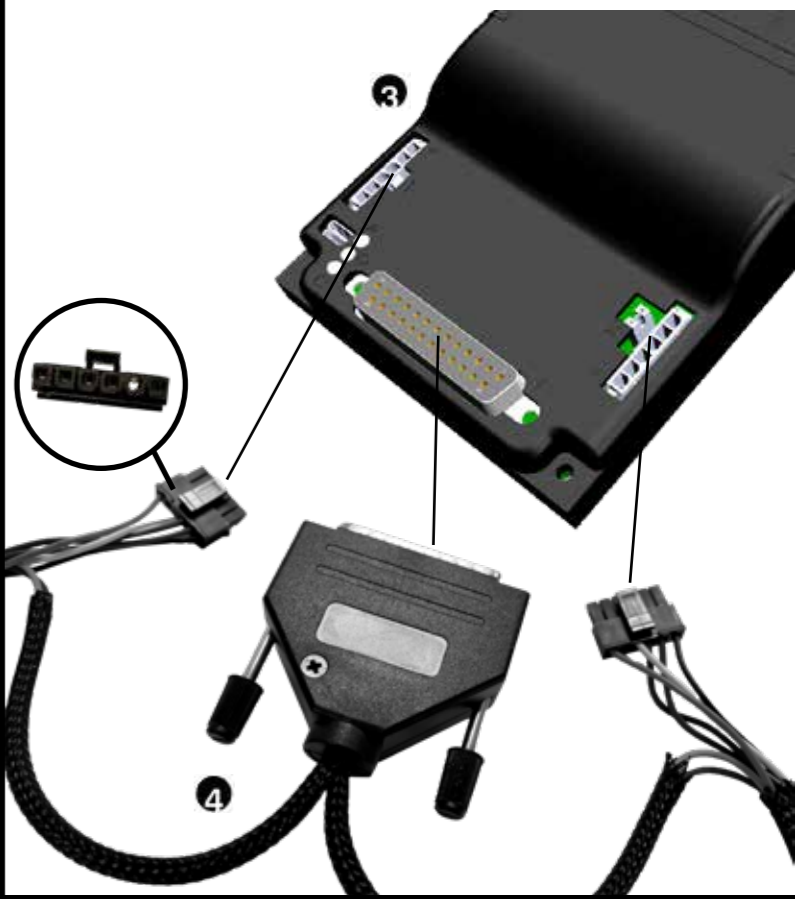
**1 GET STARTED**

Connect motors **1** + **2** to drive **3**



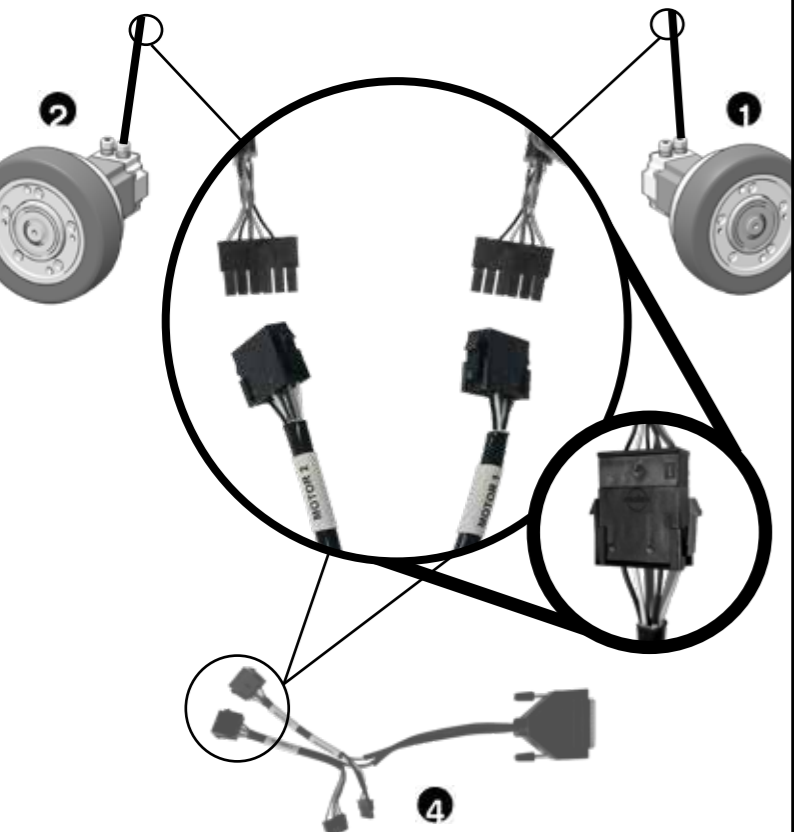
**2**

Connect drive control cable **4** to drive **3**



**3**

Connect drive control cable **4** to motors **1** + **2**



**4**

Connect drive **3** to power source



Connect power source V+ to the + connection on drive **3** and the V- to the - connection on drive **3**

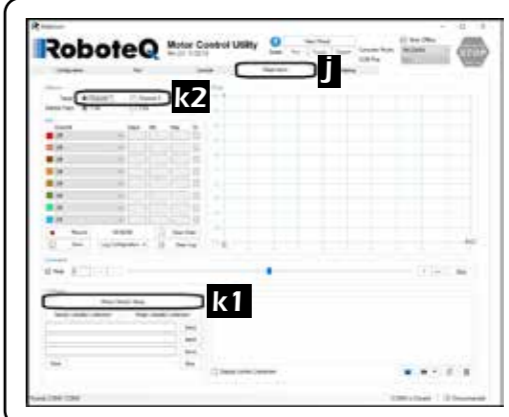
**5**

**FINAL SETUP AND TEST**

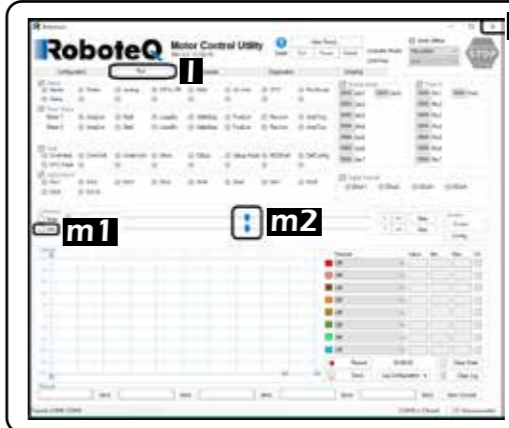
Connect drive **3** to PC via USB cable (not included)



- a) Visit [www.roboteq.com/support/downloads](http://www.roboteq.com/support/downloads) and download the Roborun+ PC Utility software and install
- b) Visit [www.controltechniquesdynamics.com/downloads](http://www.controltechniquesdynamics.com/downloads) and request the AGV060.xml file
- c) Turn on/connect power source
- d) Open Roborun+ software
- e) Click No on first pop up box
- f) Ensure Roborun+ has located the drive (e.g. SBL2360T) if not, tick then untick  work offline to reconnect to drive
- g) Click on Load Profile from Disk
- h) Locate AGV060.xml file from step 5b and click Open
- i) Click Save to Controller



- j) Click on Diagnostics tab
- k1) Select Motor/Sensor Setup (This will then start the autotune procedure on motor 1)
- k2) When completed change Channel 1 to Channel 2 and repeat step k1



- l) Select Run tab
- m1) Tick  Join
- m2) slowly move slider, motors will now run.
- To rotate one motor at a time, untick  Join and move sliders individually
- n) Close Roborun+ software and turn off/disconnect power source





**AGV SOLUTION**



**1000KG  
AGV089**

**QUICKSTART GUIDE**

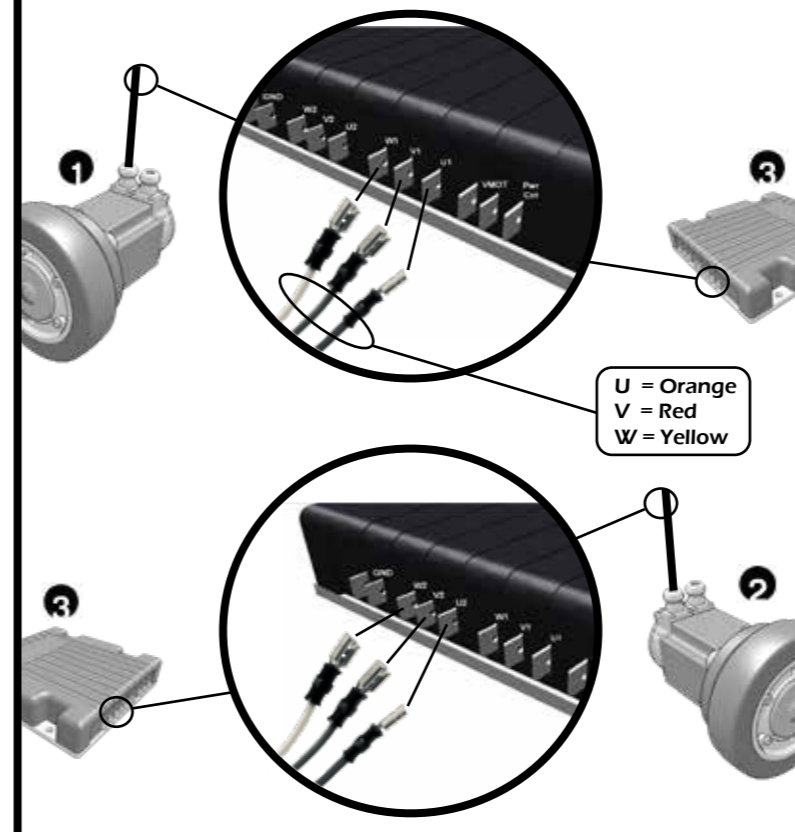
**SOLUTION KIT CONTENTS:**

- 1**  Low voltage motor, with integrated gearbox and AGV wheel mounted.
- 2**  Low voltage motor, with integrated gearbox and AGV wheel mounted.
- 3**  Dual channel drive controller.
- 4**  Dual channel drive controller cable.

Also required to complete the setup process is:  
 » USB to Mini USB cable  
 » PC running Windows 7 or higher  
 » 24V - 48V power source  
 (these items are not included in the solution kit)

**1 GET STARTED**

Connect motors **1** + **2** to drive **3**



U = Orange  
V = Red  
W = Yellow

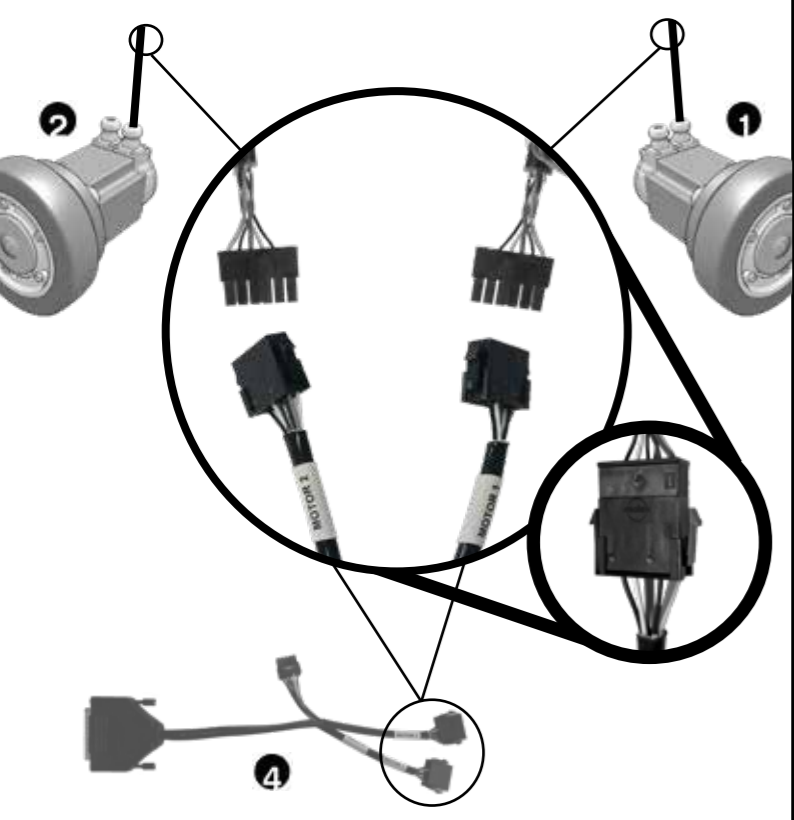
**2**

Connect drive control cable **4** to drive **3**



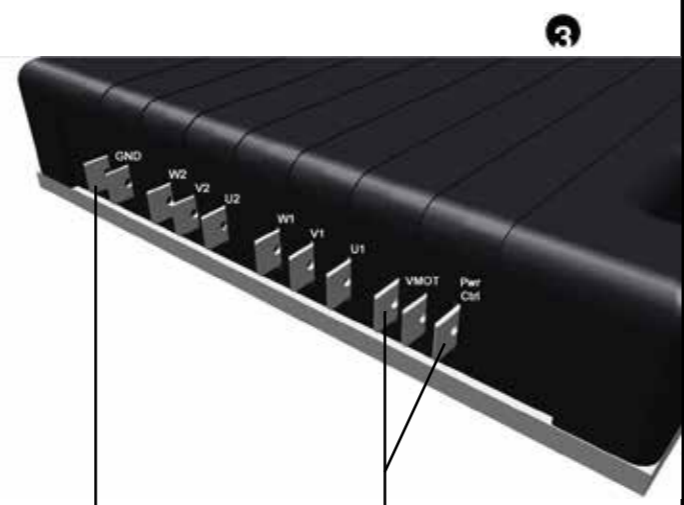
**3**

Connect drive control cable **4** to motors **1** + **2**



**4**

Connect drive **3** to power source



Connect power source V+ to the VMOT & Pwr Ctrl connections on drive **3** and the V- to the GND connection on drive **3**

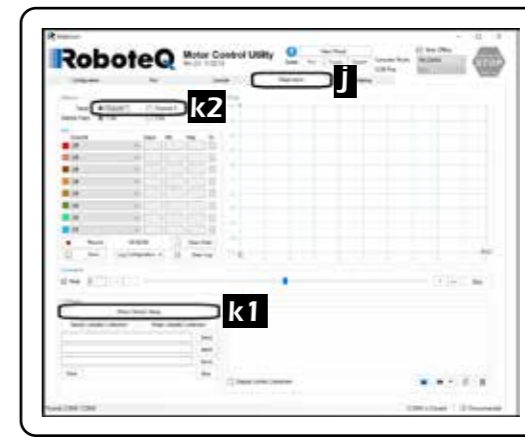
**5**

**FINAL SETUP AND TEST**

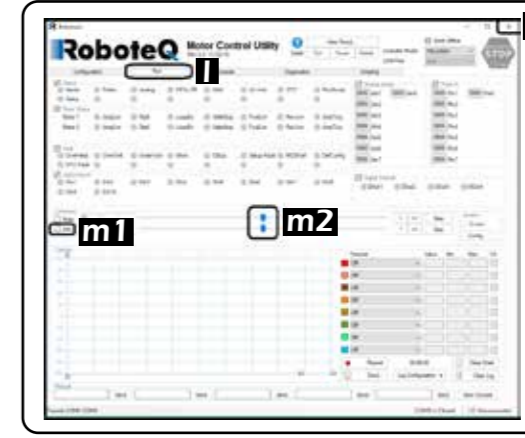
Connect drive **3** to PC via USB cable (not included)



- a) Visit [www.roboteq.com/support/downloads](http://www.roboteq.com/support/downloads) and download the Roborun+ PC Utility software and install
- b) Visit [www.controltechniquesdynamics.com/downloads](http://www.controltechniquesdynamics.com/downloads) and request the AGV089.xml file
- c) Turn on/connect power source
- d) Open Roborun+ software
- e) Click No on first pop up box
- f) Ensure Roborun+ has located the drive (e.g. FBL2360A) if not, tick then untick  work offline to reconnect to drive
- g) Click on Load Profile from Disk
- h) Locate AGV089.xml file from step 5b and click Open
- i) Click Save to Controller



- j) Click on Diagnostics tab
- k1) Select Motor/Sensor Setup (This will then start the autotune procedure on motor 1)
- k2) When completed change Channel 1 to Channel 2 and repeat step k1



- l) Select Run tab
- m1) Tick  Join
- m2) slowly move slider, motors will now run.
- To rotate one motor at a time, untick  Join and move sliders individually
- n) Close Roborun+ software and turn off/disconnect power source





**AGV SOLUTION**



**2000KG  
AGV142**

**QUICKSTART GUIDE**

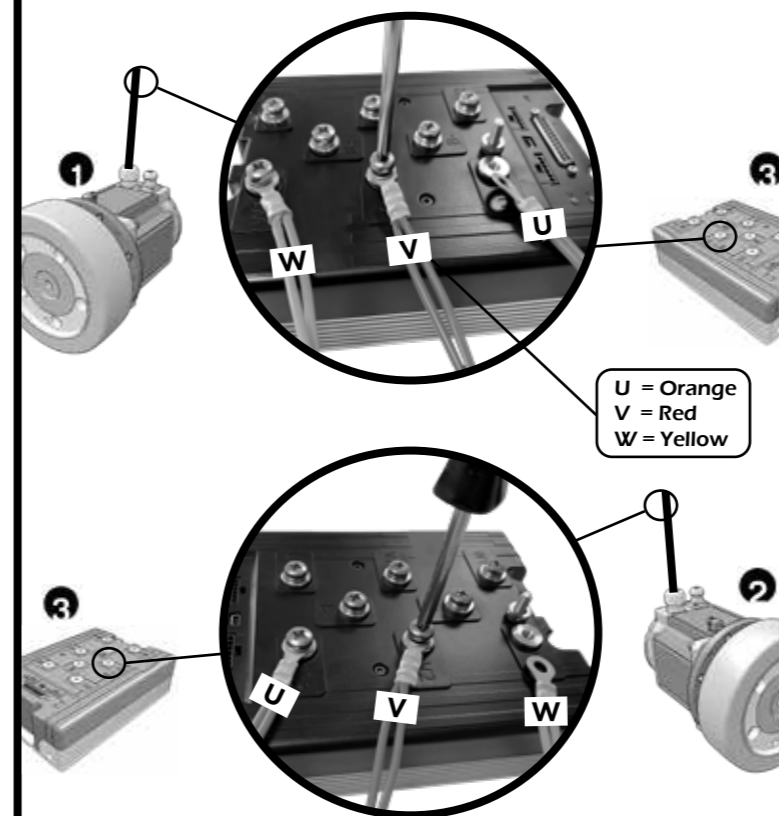
**SOLUTION KIT CONTENTS:**

- 1**  Low voltage motor, with integrated gearbox and AGV wheel mounted.
- 2**  Low voltage motor, with integrated gearbox and AGV wheel mounted.
- 3**  Dual channel drive controller.
- 4**  Dual channel drive controller cable.

Also required to complete the setup process is:  
 » USB to Mini USB cable  
 » PC running Windows 7 or higher  
 » 24V - 48V power source  
 (these items are not included in the solution kit)

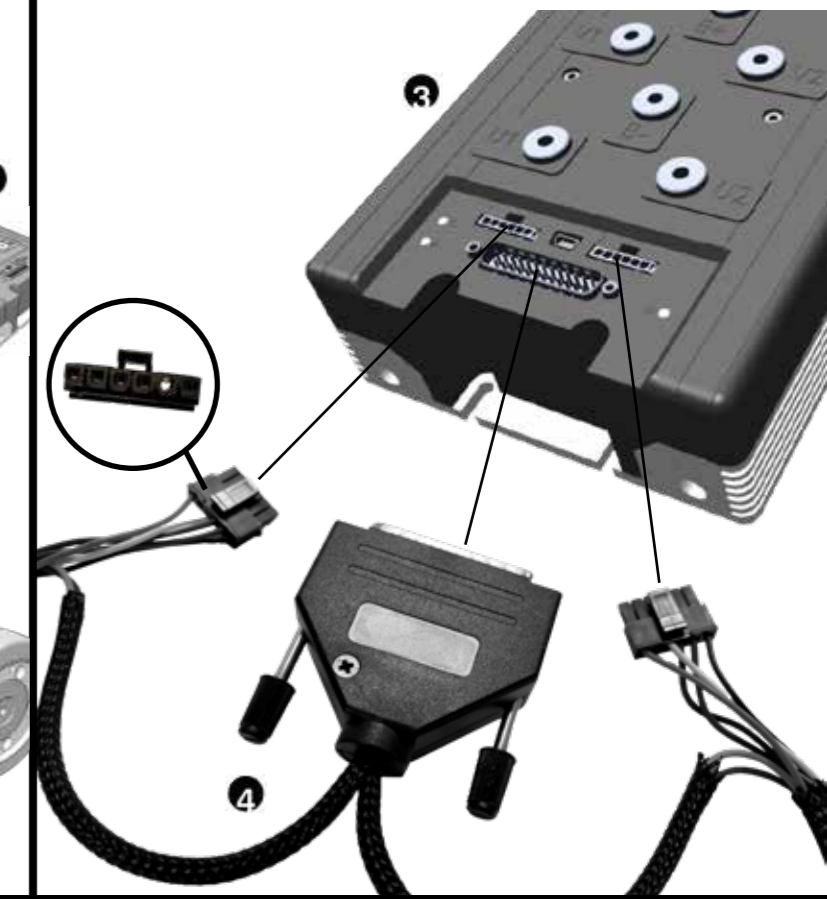
**1 GET STARTED**

Connect motors **1** + **2** to drive **3**



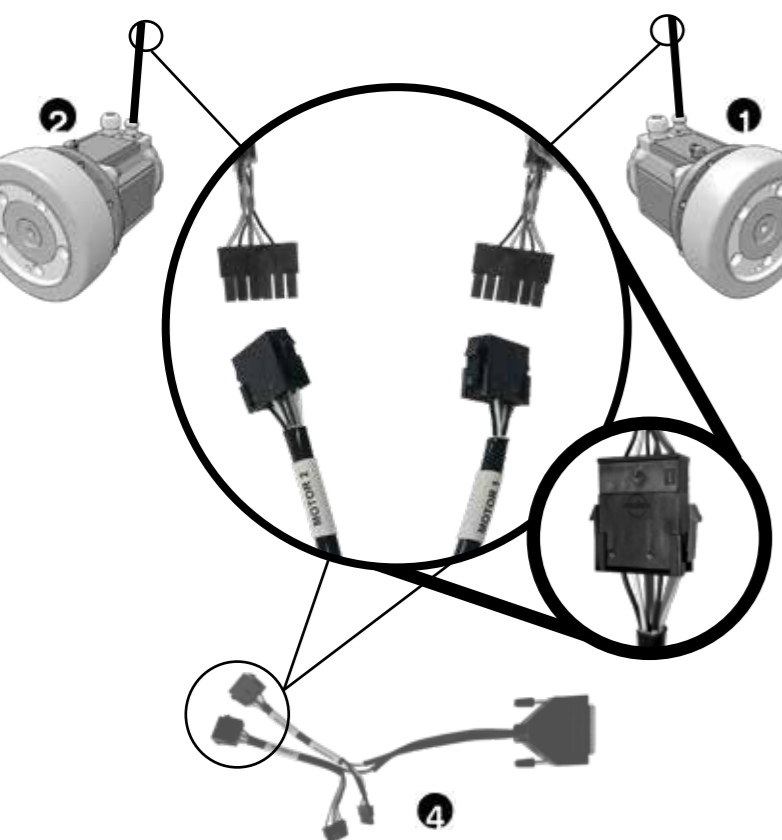
**2**

Connect drive control cable **4** to drive **3**



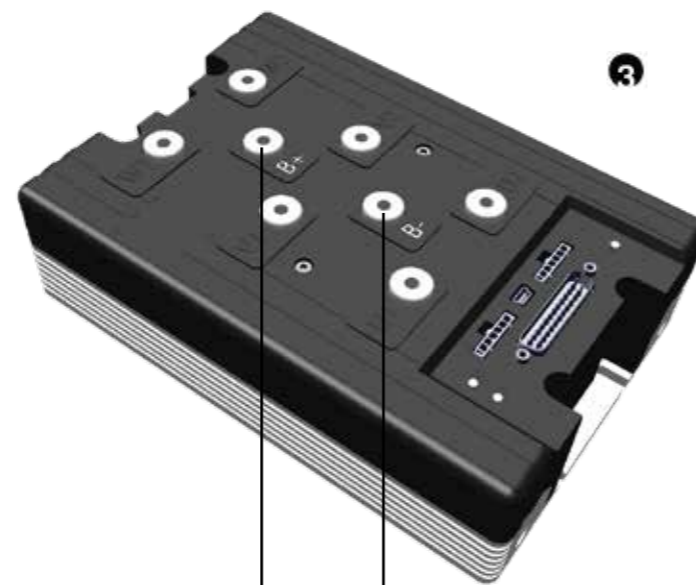
**3**

Connect drive control cable **4** to motors **1** + **2**



**4**

Connect drive **3** to power source



Connect power source V+ to the B+ connection on drive **3** and the V- to the B- connection on drive **3**

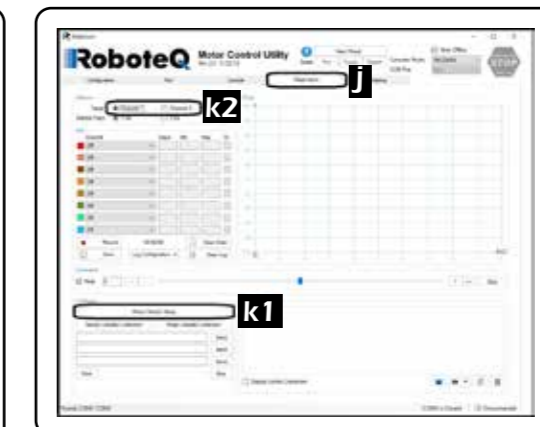
**5**

**FINAL SETUP AND TEST**

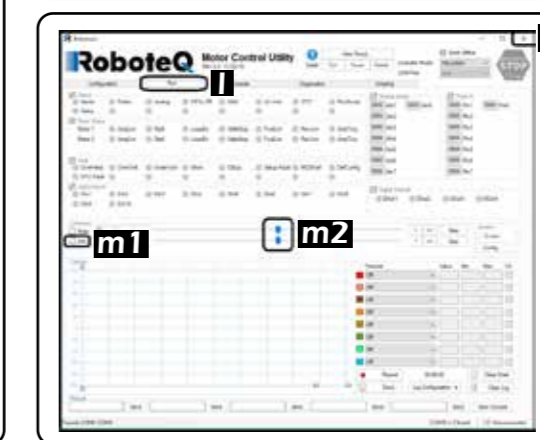
Connect drive **3** to PC via USB cable (not included)



- a) Visit [www.roboteq.com/support/downloads](http://www.roboteq.com/support/downloads) and download the Roborun+ PC Utility software and install
- b) Visit [www.controltechniquesdynamics.com/downloads](http://www.controltechniquesdynamics.com/downloads) and request the AGV142.xml file
- c) Turn on/connect power source
- d) Open Roborun+ software
- e) Click No on first pop up box
- f) Ensure Roborun+ has located the drive (e.g. GBL2660T) if not, tick then untick  work offline to reconnect to drive
- g) Click on Load Profile from Disk
- h) Locate AGV142.xml file from step 5b and click Open
- i) Click Save to Controller



- j) Click on Diagnostics tab
- k1) Select Motor/Sensor Setup (This will then start the autotune procedure on motor 1)
- k2) When completed change Channel 1 to Channel 2 and repeat step k1



- l) Select Run tab
- m1) Tick  Join
- m2) slowly move slider, motors will now run.
- To rotate one motor at a time, untick  Join and move sliders individually
- n) Close Roborun+ software and turn off/disconnect power source