

AGV SOLUTION



QUICKSTART GUIDE

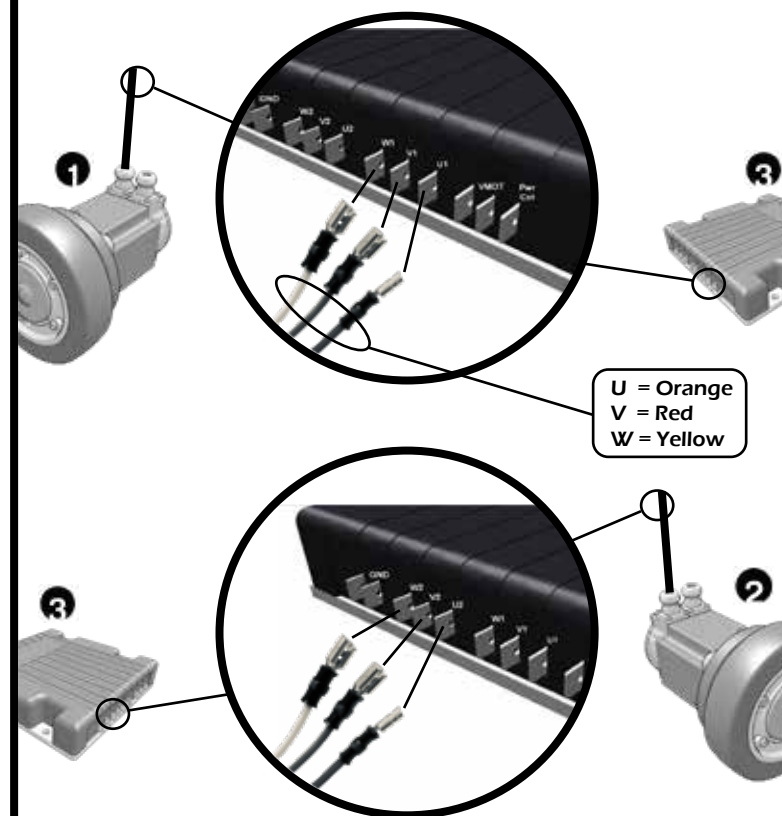
SOLUTION KIT CONTENTS:

- 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



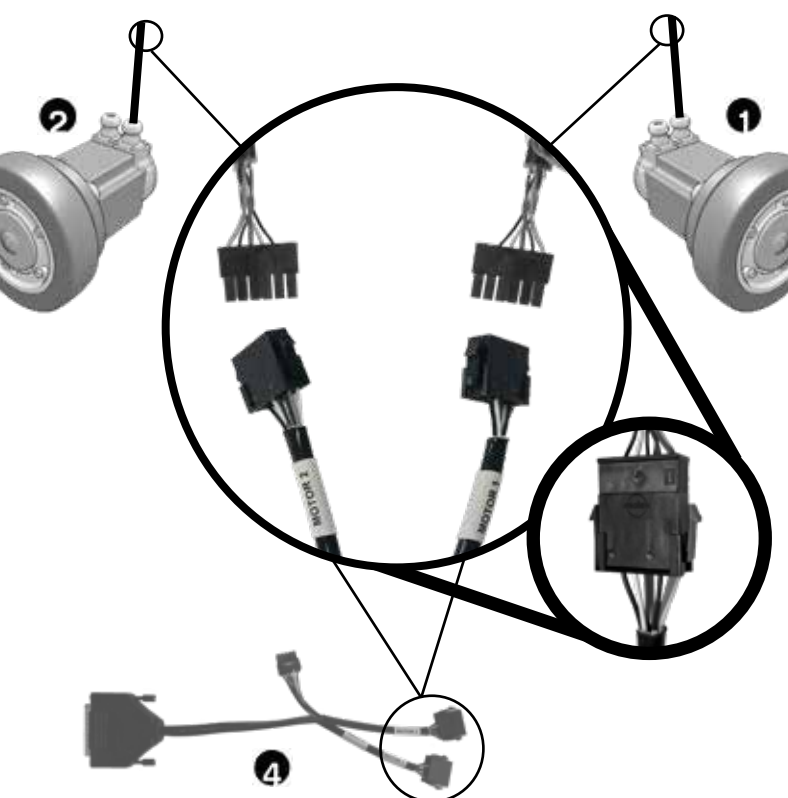
2

Connect drive control cable 4 to drive 3



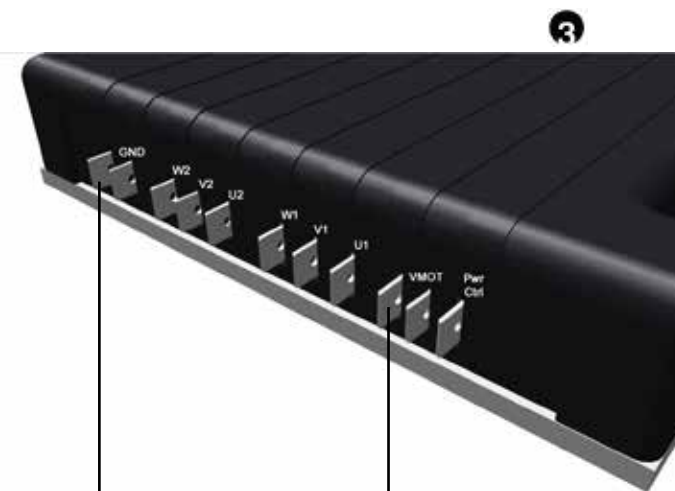
3

Connect drive control cable 4 to motors 1 + 2



4

Connect drive 3 to power source



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

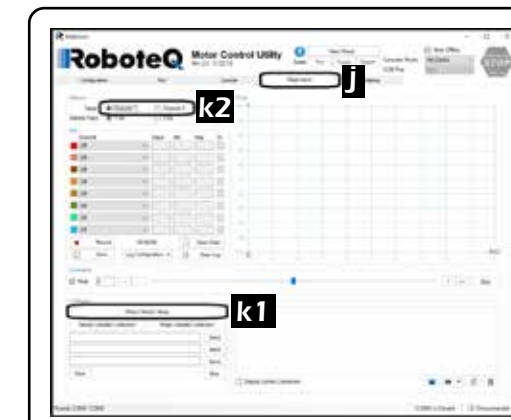
5

FINAL SETUP AND TEST

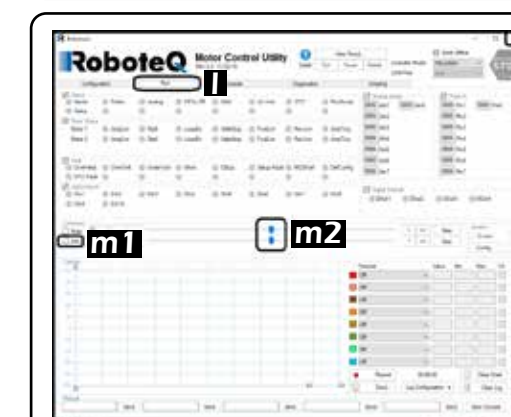
Connect drive 3 to PC via USB cable (not included)



- a) Visit www.roboteq.com/support/files-download and download the Roborun+ PC Utility software and install
- b) On the same page, download the respective configuration file, corresponding to the AGV kit (e.g. AGV089A01G profile)*
- 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
- g) Click on Load Profile from Disk
- h) Locate the respective .cpr configuration file 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

* This profile concerns the elementary - no load configuration of the drive. Further load tuning and parametrization may be required.