

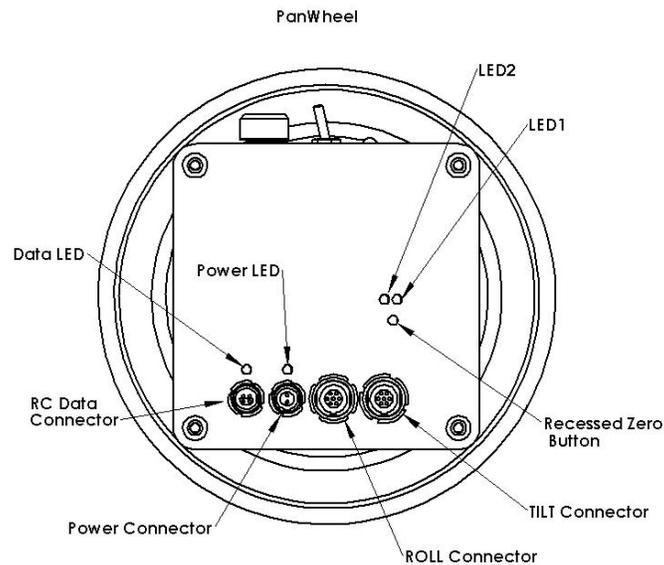
## Programming the Veracity Control Wheel

### Description

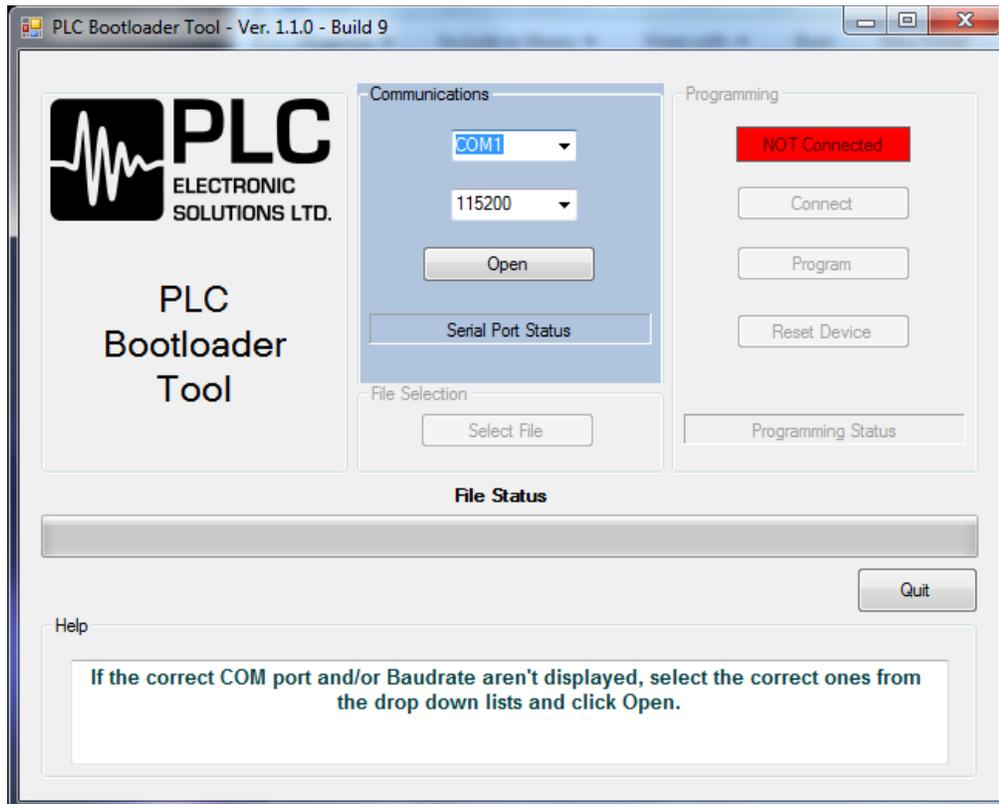
- These procedures are designed to aid easy updating of the Veracity Control Wheel software.
- **Requirements:**
  - PLC Bootloader Tool Software (should have come with this file)
  - Serial Data Cable (PLC940-0029)
  - A computer with a functional DB9 serial connector or a USB-to-serial cable
  - The software '.cry' file that will be loaded into the Veracity Control Wheels.

### Procedure

1. Connect the Serial cable to the computer and the RC Data Connector port of the Veracity PAN Wheel.



2. Launch the **PLC Bootloader Tool**.



1. Select the COM port pertaining to your serial cable connection and a baud rate of **38400**. Click "**Open**" and below the open button, the text "COM\_\_ is open at 38400" should appear.
2. Click "**Select File**" and open "HW\_Controller\_3\_V4.1.cry" (or the latest revision of the HW\_Controller.CRY file).
3. Click "**Connect**". "CONNECTING.." should be flashing.
4. Hold in the zeroing button on the Veracity PAN Wheel and apply power while the **PLC Bootloader Tool** program is looking for a connection. The **PLC Bootloader Tool** program will now say 'Connected', highlighted in green.
5. Click "**Program**" and the bottom progress bar should move smoothly from 0% to 100% and a dialog box saying "**Target is programmed**" should appear once completed.
6. Remove the serial cable. You have completed the programming procedure.