



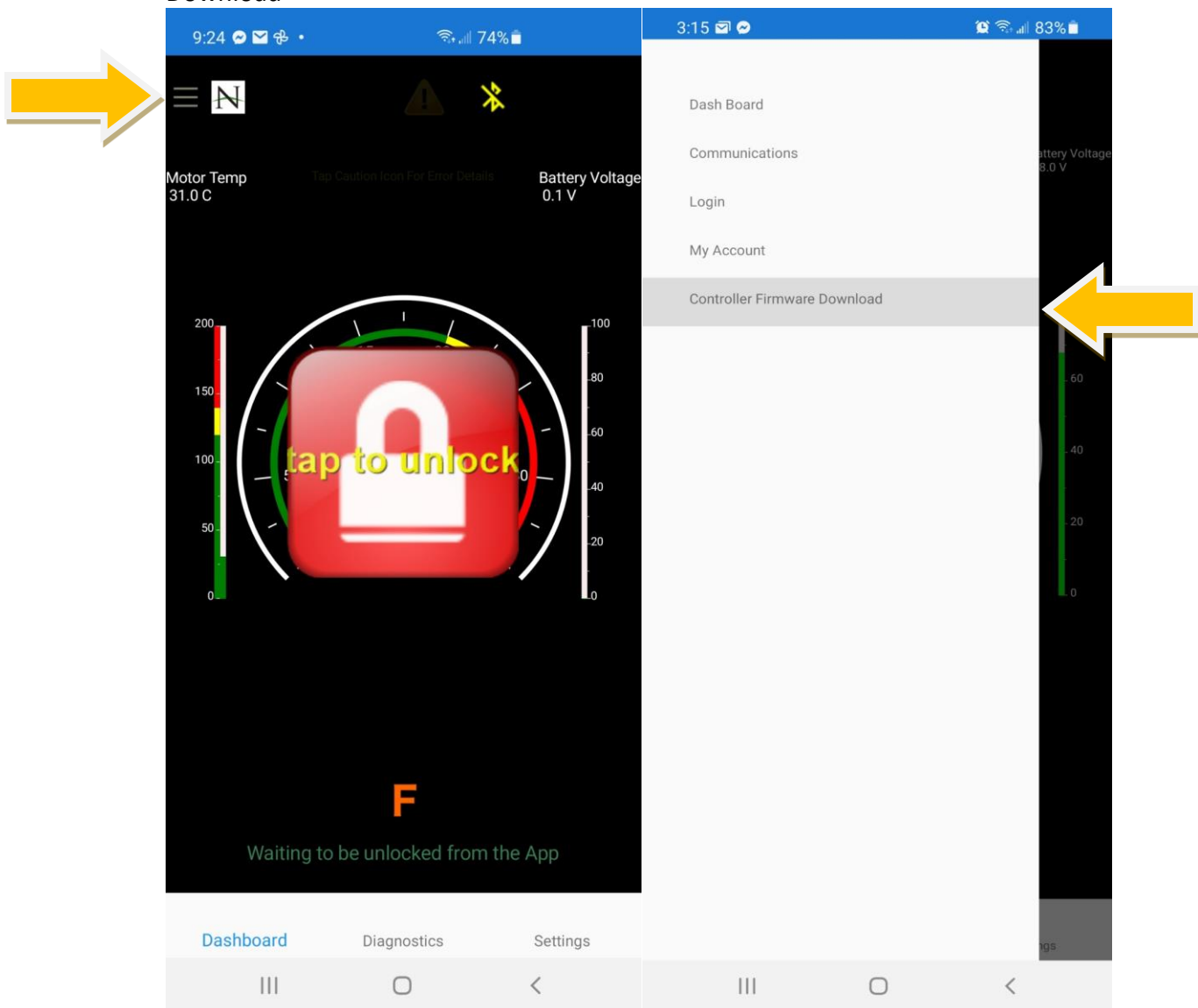
## TSX3.0 Series Motor Programming

Navitas TSX3.0 controllers drive both shunt and series motors. From the factory, they are configured to drive shunt motors. It is normal for the controller status light to stay on solid green depending on how it is wired. The controller enters a low power state when not driving, even though the light may remain on.

**There is only one firmware for all series motors.**

**Follow this process to change the configuration for series motors.**

1. Connect to your controller via the Navitas Dashboard App. You will need advanced user access to perform this process. Follow this procedure if you do not have Advanced user access already
2. On the dashboard screen click the top left hand menu button, and click “Controller Firmware Download”



- Under "Latest Factory Releases", select TSX600 SERIES MOTOR firmware. Confirm that you want to download the firmware to your controller. (Revision numbers may vary)

The image displays two screenshots of a mobile application interface for downloading firmware. The left screenshot shows a list of firmware options under "Latest Factory Releases", with a yellow arrow pointing to "TSX600 SERIES MOTOR REV 8.8.153". The right screenshot shows a confirmation dialog box titled "Firmware Download" with the text "Are you sure you want to download TSX600 Series Motor Rev 8.8.153?" and "CANCEL" and "YES" buttons, with a yellow arrow pointing to the "YES" button.

**Left Screenshot (3:21, 82% battery):**

- Present Motor Profile: TSX600
- Present Motor Profile: MOT-D2
- Present Firmware Version: 8.9
- Sub Version: 199
- Controller Firmware Downloads**
- Latest Factory Releases**
  - TSX600 STOCK MOTOR REV 8.9.199
  - TSX600 SERIES MOTOR REV 8.8.153** (highlighted with yellow arrow)
  - TSX600A PM MOTOR REV 8.8.153
- Admiral motors**
  - TSX600 ADMIRAL RHMOT-A2 REV 8.9.199
  - TSX600A ADMIRAL RHMOT-A4 REV 8.9.199
  - TSX600 ADMIRAL RHMOT-B2 REV 8.9.199
  - TSX600A ADMIRAL RHMOT-D2 REV 8.9.199
  - TSX600A ADMIRAL RHMOT-B4 REV 8.9.199
- FSIP motors**
  - TSX600A FSIP TORQUE REV 8.9.199
  - TSX600A FSIP SPEED REV 8.9.199

**Right Screenshot (3:30, 76% battery):**

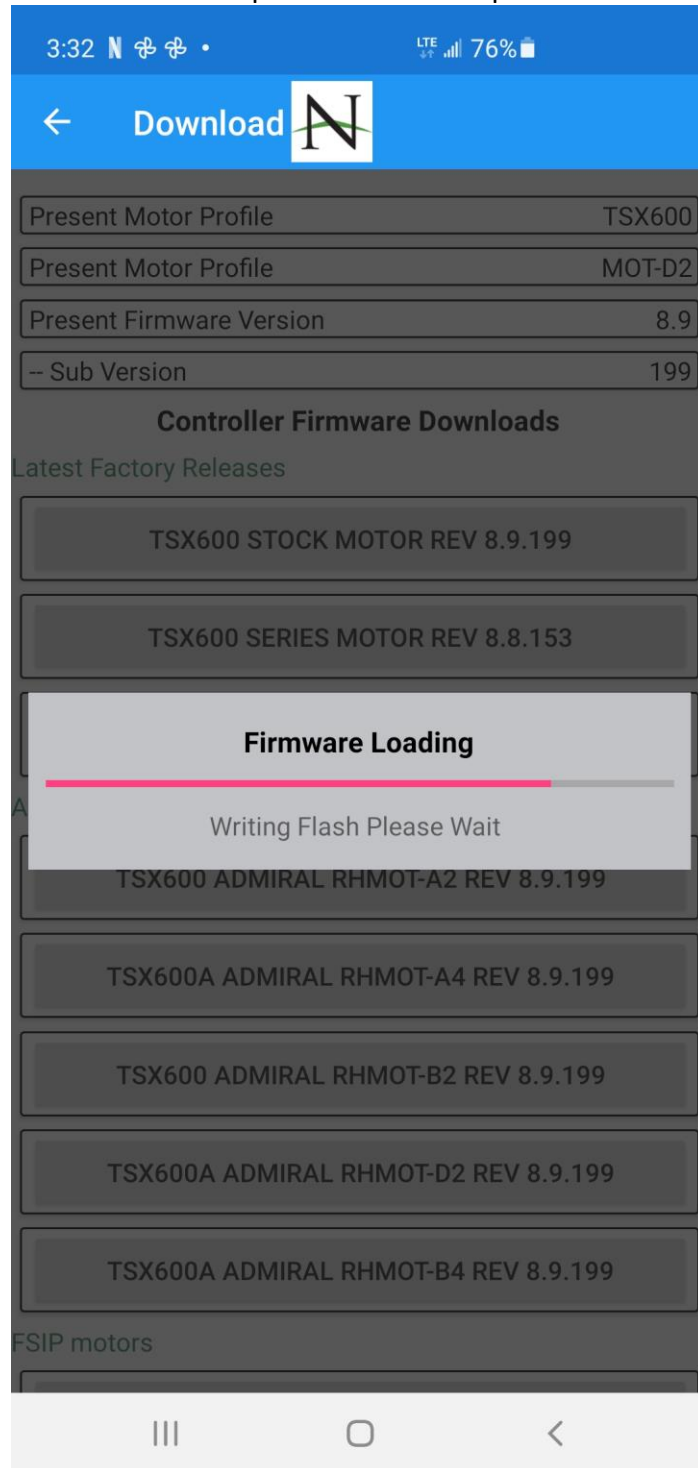
- Present Motor Profile: TSX600
- Present Motor Profile: MOT-D2
- Present Firmware Version: 8.9
- Sub Version: 199
- Controller Firmware Downloads**
- Latest Factory Releases**
  - TSX600 STOCK MOTOR REV 8.9.199
  - TSX600 SERIES MOTOR REV 8.8.153 (highlighted with yellow arrow)
  - TSX600A PM MOTOR REV 8.8.153
- Admiral motors**
  - TSX600 ADMIRAL RHMOT-A2 REV 8.9.199
  - TSX600A ADMIRAL RHMOT-A4 REV 8.9.199
  - TSX600 ADMIRAL RHMOT-B2 REV 8.9.199
  - TSX600A ADMIRAL RHMOT-D2 REV 8.9.199
  - TSX600A ADMIRAL RHMOT-B4 REV 8.9.199
- FSIP motors**
  - TSX600A FSIP TORQUE REV 8.9.199
  - TSX600A FSIP SPEED REV 8.9.199

**Firmware Download Dialog:**

Are you sure you want to download TSX600 Series Motor Rev 8.8.153?

CANCEL YES (highlighted with yellow arrow)

4. The firmware will begin to download. This process can take up to 5 minutes



5. Once the firmware has completed downloading, your controller is now programmed into series mode. Click OK and the controller will return you to the dashboard screen.

