Instructions to Run Wheelchair Training Device

1. Download Visual Studio IDE and include any extensions for c++: <https://visualstudio.microsoft.com/thank-you-downloading-visual-studio/?sku=Community&channel=Release&version=VS2022&source=VSLandingPage&cid=2030&passive=false>
2. Download Arduino IDE for Windows: <https://www.arduino.cc/en/software>
3. Download drivers for platform motors: <https://teknic.com/downloads/>
4. Clearpath  Software  [ClearView\_Install.zip](https://teknic.com/files/downloads/ClearView_Install.zip)
5. Download drivers for roller motors
6. Clearpath  Software  [motor\_setup.zip](https://teknic.com/files/downloads/motor_setup.zip)
7. Download Arduino Wrapper
8. ClearCore  Software  [ClearCore\_Arduino\_Wrapper\_Installer\_2.2.1.zip](https://teknic.com/files/downloads/ClearCore_Arduino_Wrapper_Installer_2.2.1.zip)
9. Instructions for installing the Arduino wrapper in the Arduino IDE here: <https://www.teknic.com/files/downloads/manual_install_instructions_arduino.pdf>
10. SDK examples for the platform will download with ClearView and can be found in:  
    Program Files (x86)  Teknic  ClearView  sdk  examples
11. Files should run now, but test with an example file first to ensure safe operation.
12. To execute delivered files, build and run the HomingWithPitchAndRoll file for the platform and either MonitorSpeed or TorqueWithSpeedOutTwoMotors for the rollers. ALWAYS upload SpeedOutput file at the end to stop the rollers spinning. New code can be added to overcome this deficiency.