

Marilyn V. Project – Detailed view (v1)

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Requirements:

1. Be able to voice control her Pride Mobility PLR985 lift chair/recliner

Solution – High Level:

1. We provided a voice solution for her Pride Mobility PLR985

1. Be able to control her Pride Mobility PLR985 using Voice commands – The PLR985 uses the V1 control box which does not have BLE. We provided a controller that replaces the standard hand control and she can now use voice commands to Alexa or Google to control every function on that chair.

Here is a schematic of the bed controller design

Marilyn V. Recliner Project
Pride VivaLift Tranquility PLR985
Hand Controller HSW310-VA
S/N 23118.03

This is the 5 pin DIN male connector

The pinouts for the 5 pin DIN male connector are:

There is one linked connector - 5 pin DIN female. Click here for details.

Pin #	Purpose
1. Brown	LEDs for each button on remote
2. Yellow	Pin 12 of PIC16F1828
3. Red	+5v
4. Black	Ground
5. Blue	Pin 10 of PIC16F1828

For our solution, we only needed to connect our controller to the recliner using DIN connector pin 4 for a common ground and pin 5 so we can provide the digital signal to the chair. Our control box replaces the hand remote. The control box in the chair is a HHC Moto Motion CM310 L06-20201670028