Stan M. Project – Detailed view (v1)

By Bill Weis

Requirements:

1. Be able to voice control his Pride Mobility PL935 lift chair/recliner

Solution – High Level:

1. We updated our voice solution for the model 2022 Pride Mobility PLR935

1. Be able to control his Pride Mobility PL935 using Voice commands – We updated our voice solution for the new model PL935 that allows Stan to control all the desired features using voice commands.

Here is a schematic of the bed controller design

Stan M. Recliner Project
Pride VivaLift Tranquility PLR935 V2 Model
Hand Controller HSW310-VA
S/N 21103.09 10-26-22

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 female. Click here for details.

Using a 15030HC-G harness

Pin 1 - Orange
Pin 2 - Yellow
Pin 3 - Green
Pin 4 - Blue
Pin 5 - Black

HW110L-0-024 Hand remote has 5 Pin male DIN Connector

Pin #	Purpose
1. Red	LEDs for each button on remote
2. Yellow	Did not tear the remote apart, output signal to here
3. Green	+5v
4. White	Ground
5. Blue	Did not tear the remote apart to check

For our solution, we only needed to connect our controller to the recliner using DIN connector pin 4 for a common ground and pin 2 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

Control box harness (Actuator Control Pins)

Pin #	Purpose
1. -20v	LEDs for each button on remote
2. n/c	Did not tear the remote apart, output signal to here
3. -25v	+5v
4. output	(ie Inflate lumbar=30vdc, deflate lumbar=-30vdc)
5. Gnd	Did not tear the remote apart to check