Chuck K. Project – Detailed view (v1)

By Bill Weis

Chuck K - ALS

Requirements:

- 1. Be able to voice control his Pride Vivalift! Tranquil PLR-935 lift chair
- 2. Be able to voice control ceiling lights in the kitchen
- 3. Be able to voice activate the lamp next to his recliner
- 4. Be able to use voice commands with his TV/Roku

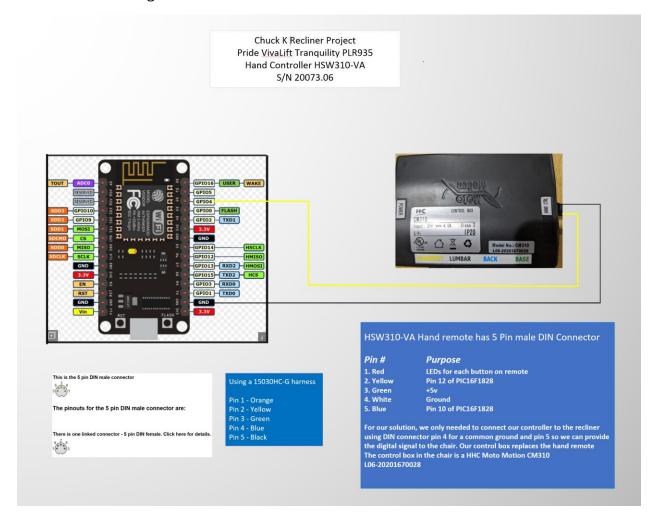
Solution – High Level:

- 1. We designed a voice activated solution for his Pride recliner.
- 2. We provided Sunco BR30 bulbs for his recessed kitchen lights
- 3. We provided a WeMo smart mini plug so he could use voice commands to turn on and off the lamp next to his recliner.
- 4. We installed the Quick Remote app on his Google Pixel phone so he could use voice commands to navigate the Roku screens and select his entertainment.

Details of the Solution

1 – Voice Control her recliner – Chuck has a Pride VivaLift! Tranquil PLR-935 lift chair and the impact of ALS has made it very difficult for him to use the hand controller. Since Chuck will spend a lot of time including sleeping in that chair, it is important that he is able to control the positioning of the chair as well as having the ability to control the comfort features like changing pressure in the lumbar and head pillows. These are features which are important to someone who spends a lot of time in the chair. At this time, Pride Mobility does not have an alternative solution for someone with Chuck's impairments to be able to control the chair, so we went ahead and designed a voice which gives him the ability to control all 10 functions that would normally have been performed using the remote. Our solution replaces the standard remote and should there be an internet outage it would be necessary for someone to plug in the original hand remote.

Here is a basic design of the controller we built for Chuck's lift chair



- 2. Be able to voice control the kitchen recessed lights We provided Chuck with 6 Sunco BR30 light bulbs which can be turned on and off, dimmed, and changed to an unlimited number of colors, all by voice. Here is a description of the bulbs as posted on Amazon Sunco Lighting 6 Pack WiFi LED Smart Bulb, BR30, 8W, Color Changing (RGB & CCT), Dimmable, 650 LM, Compatible with Amazon Alexa & Google Assistant No Hub Required
- **3.** Be able to use voice to control the lamp next to his lift chair Chuck has a lamp next to his lift chair he would like to be able to turn on and off using voice commands. We provided a Wemo smart mini switch to control the lamp.

4. Be able to use voice commands to control the TV/Roku – We recommended trying the Quick Remote app which runs on Android devices to help Chuck navigate the Roku menu and select his entertainment options. We provided a Google Pixel 3 phone which must be on all the time in order for the Quick Remote app to work.

Resources

Amazon Echo

<u>Alexa Support</u> (Contact Support via the Amazon Alexa app - can have them call your number)

Google Home getting started

Google Home Help Forum

Google Home Support Phone number for Google Home hardware support = 855-971-9121 (24/7 days a week)

Logitech Harmony Knowledge Base

<u>Logitech Harmony Support</u> Phone # for Support = 866-601-5644 (M-F 8am to 6pm PST)

Sunco Lighting- Support: (844) 334-9938

Wemo Support Phone number for Support = 1-844-745-wemo (9366)