

Robert D. Project – Detailed view (v1)

By Bill Weis

Robert D. - ALS

Requirements:

1. Be able to voice control his Ashley Furniture Lift Chair/Recliner

Solution – High Level:

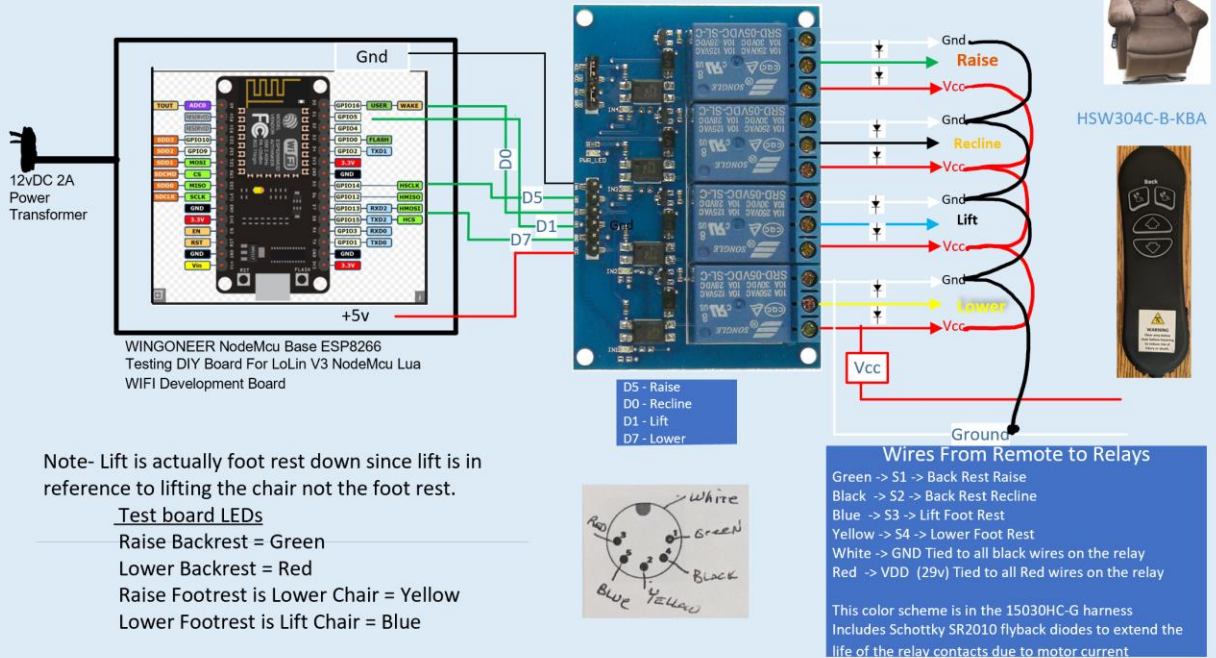
1. We designed a voice activated solution that allows Robert to control his Ashley Furniture Lift chair/Recliner using his Tobii communicating device.

Details of the Solution

1 - Voice Control her recliner – Robert has an Ashley Furniture Recliner/lift chair and has difficulty working the hand remote because of the impact of ALS. Robert's wife asked if we could provide Robert with a voice solution. The design is found on the next page. Robert has commands to lower and raise the head rest and foot rest. With his wife's assistance, they utilize the command to raise and lower the chair so they can transfer Robert to his wheel chair.

The next page contains the basic schematic of the recliner controller.

Voice Controller for Robert D. – Ashley Furniture
 Bill Weis 10-29-22
 S/N 20080.11



Note- Lift is actually foot rest down since lift is in reference to lifting the chair not the foot rest.

Test board LEDs

- Raise Backrest = Green
- Lower Backrest = Red
- Raise Footrest is Lower Chair = Yellow
- Lower Footrest is Lift Chair = Blue

Resources

- [Amazon Echo](#)
- [Alexa Support](#) (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](#)
- [Logitech Harmony Support](#) Phone # for Support = 866-601-5644 (M-F 8am to 6pm PST)
- [Lifx](#)
- [Wemo Support](#) Phone number for Support = 1-844-745-wemo (9366)