

Wendy B Project – Detailed view (v1)

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Wendy B - ALS

Requirements:

1. Be able to voice control her second Cabo Dual Power Recliner

Solution – High Level:

1. We designed a voice activated solution for her Cabo Dual Power Recliner that allows her to give voice commands to control the elevation of the footrest.

Details of the Solution

1 - Voice Control her recliner – Wendy has a Cabo Dual Power Recliner and has difficulty working the hand remote because of the impact of ALS. The hand remote is built into the side of the recliner. She asked that we provide her with the ability to use voice commands to raise and lower the footrest. After working with her husband Jim, we were able to identify a connector in the chair that we could connect our voice activated controller via a 5 pin DIN connector. Thankfully, Jim has both mechanical skills as well as knowledge with using a digital volt/Ohm meter. We provided two commands for raising and two commands for lower the footrest. One command runs for 3.5 seconds and the other for 5 seconds. This is the second Cabo Dual Power Recliner they have and this one will be for sleeping. It will be connected to a switchbox for times of internet outages where voice commands are not possible.

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

