

Catherine Project – Detailed View (v1)

By Bill Weis

Requirements:

1. Be able to voice control her Medline Model MDR107003E bed with remote MDR520094bed
2. Be able to use voice commands to control her TV

Solution – High Level:

1. Developed and provided a voice activated bed controller so Catherine could control her Medline bed using both Alexa and Google
2. Provided an Amazon Fire TV Cube so Catherine could use voice commands to control her TV

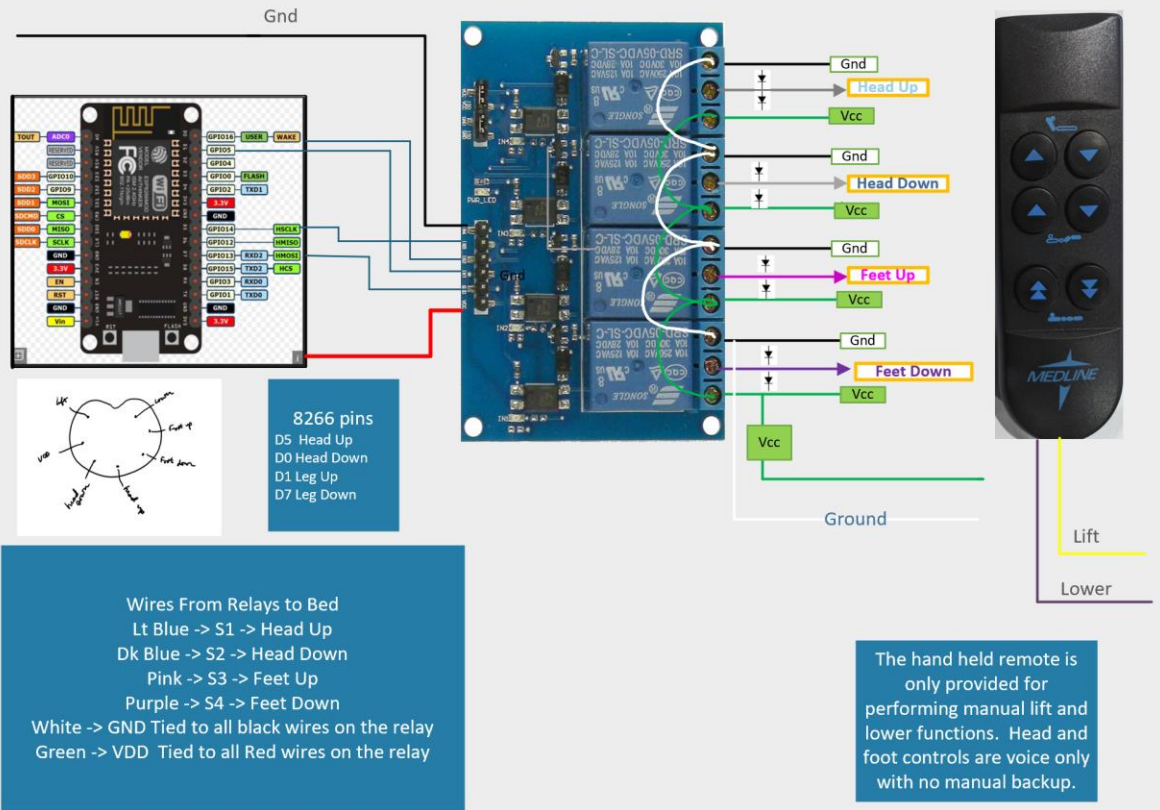
Details of the Solution

1. **Voice Control her bed** – The Medline model MDR107003E bed is similar to the Drive beds where motor current is passed through the hand held remote and where a combination of two switches are used to perform each function. This bed design is much more difficult to provide a backup (hand held remote) solution, so the approach we took is when the internet goes down, someone will need to replace the bed controller with the original handheld pendant. One of our Drive bed customers has had this same design approach for more than a year with no complaints.

The Medline model MDR107003E bed is fully electric in that it has head up/down, foot up/down, as well as bed up/down. For safety reasons, we do not provide voice commands for bed up/down and we instead provide a wired pendant into our bed controller so the caregiver can continue to manually control bed up/down features the same way they would prior to the voice activated bed controller being installed. Catherine can voice control her bed from both Alexa and Google.

The voice activated bed controller design can be found on the next page.

Catherine - Medline Model MDR107003E bed with remote MDR520094
Bill Weis 1-22-19 S/N 19032.09



2. Voice Control her TV – Catherine has cable TV and can now use voice commands to control her TV. She can power the TV on and off, adjust volume, change channels, etc.

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)