

Deb S - ALS

Detailed view by Bill Weis

Requirements:

1. Be able to voice control her adjustable bed

Solution – High Level:

1. Designed a voice activated bed controller which gives Deb the ability to control the Head Up/Down and Foot Up/Down functions of her Joerns UltraCare UCXT adjustable bed. We also provided the means for all 6 functions including Head Up, Head Down, Feet Up, Feet Down, Bed Up and Bed Down to be manually controlled. The bed can be controlled with Alexa or Google

Solution Details

1 – Deb wanted to use voice commands to control her Joerns EasyCare bed – Deb has a Joerns EasyCare Model UCXT full electric bed. The controls in this bed are from Linak, and the control box itself is a CB6S which supports Linak's Openbus. By adding a DJB, MJB, and a short RJ50 cable, we were able to connect the 8 Pin Din from our voice activated bed controller to the DJB. We provided Deb with several voice commands that run for specific durations to raise and lower the head and foot end of the bed. We also provided a way to keep the manual control connected for all 6 functions and since we do not provide voice control for hi lo due to safety reasons, the caregiver will be able to use the manual hand control for raising and lowering the bed.

The design diagram is on the next page

**Voice Controlled Bed Controller for Deb S. | Full Electric Joerns Easy Care
(Joerns) Manual pendant for Lift and Lower
Bill Weis 2/16/2022
S/N 21097.06**

