## Anthony Castle Project #2 – Detailed view (v1)

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## Requirements:

1. Be able to voice control his Drive bed

## Solution – High Level:

1. Designed a voice activated bed controller which gave Anthony the ability to control all desired functions of his adjustable bed.

## **Details of the Solution**

**1 – Voice Control his bed –** Anthony has a Drive Delta 1000 bed with a hard wired remote. He wanted the four functions of Head Up, Head Down, Foot Up and Foot Down to be voice activated. Unfortunately, due to the way the bed controls are wired, it is not possible to provide an alternative way of controlling the bed aside from having the caregiver unplug our bed controller and replacing it with the original hand held 15030HC-G pendant.

The functional engineering drawing on the next page shows the connections between the microcontroller and the relays, as well as the relays to the bed.

