

Brady Enklat Project – Detailed view

By Bill Weis

Brady Enklat – Duchenne Muscular Dystrophy

Requirements:

1. Be able to voice control his Cable TV and streaming video from various sources

Solution – High Level:

1. Installed an Amazon Fire TV cube plus some custom work on the Tobii Dynavox Eye Gaze

Details of the Solution

1 – Voice Control of his Cable TV and other streaming video – Brady's Duchenne Muscular Dystrophy disease has progressed to the point where he utilizes a ventilator. As a result, Brady's speech may be weak at times and not understood by the Amazon Fire TV cube. Using the Amazon Fire TV cube for selecting streaming entertainment was easy and straight forward, however it was necessary to develop a custom page set in the Tobii Dynavox eye gaze system so the eye gaze device could utter each required command to the Fire TV cube. Where the Amazon Fire TV cube fell short was the fact that it did not support the cable provider that Brady has (WOW-Wide Open Way). Fortunately, Mark (Brady's stepfather) was able to leverage the virtual IR Remote that is built into the Tobii Dynavox eye gaze system so Brady could use eye movement to select the necessary buttons to navigate the Cable menu. [Here](#) is a video that shows the custom page set driving the Amazon Fire TV commands as well as the Virtual IR Remote screen to drive the cable tv box.

Here is the custom page set Mark created for Amazon Fire TV Cube commands



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)

[Wemo Support](#) Phone number for Support = 1-844-745-wemo (9366)

inside the bed controller box. The drawing on the following page shows the voice activated bed controller, solid state relays and the remote.