

TomP Project – Detailed view (v1)

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TomP – ALS

Requirements:

1. Be able to have an intercom between the man cave, the master bedroom and the guest bedroom
2. Be able to voice control his 2 TVs and watch cable channels as well as YouTube
3. Be able to use voice to control his Drive model DRIP703 that has a TiMotion TC21 control box and a TH2-1060-003 hand held remote.

Solution – High Level:

1. Installed three Echo Dots to achieve the intercom capability using the Drop-In feature
2. Installed two Amazon Fire TV Cubes so Tom can use voice to control his TV including volume, turning the TV on/off, be able to watch programs on cable as well as being able to switch to the other HDMI port to watch YouTube videos
3. Designed and installed a voice activated bed controller so Tom could use voice commands to raise and lower the head as well as the foot end of the bed. He can use both Amazon Alexa as well as Google commands.

1. Be able to have an intercom between the man cave, the master bedroom and the guest bedroom

Tom wanted to be able to call to a caregiver when he is in his man cave or in the master bedroom. We placed Amazon Echo Dots in the Master bedroom, the Man Cave, and the Guest bedroom. We may find need to relocate or add another echo dot in the kitchen area.

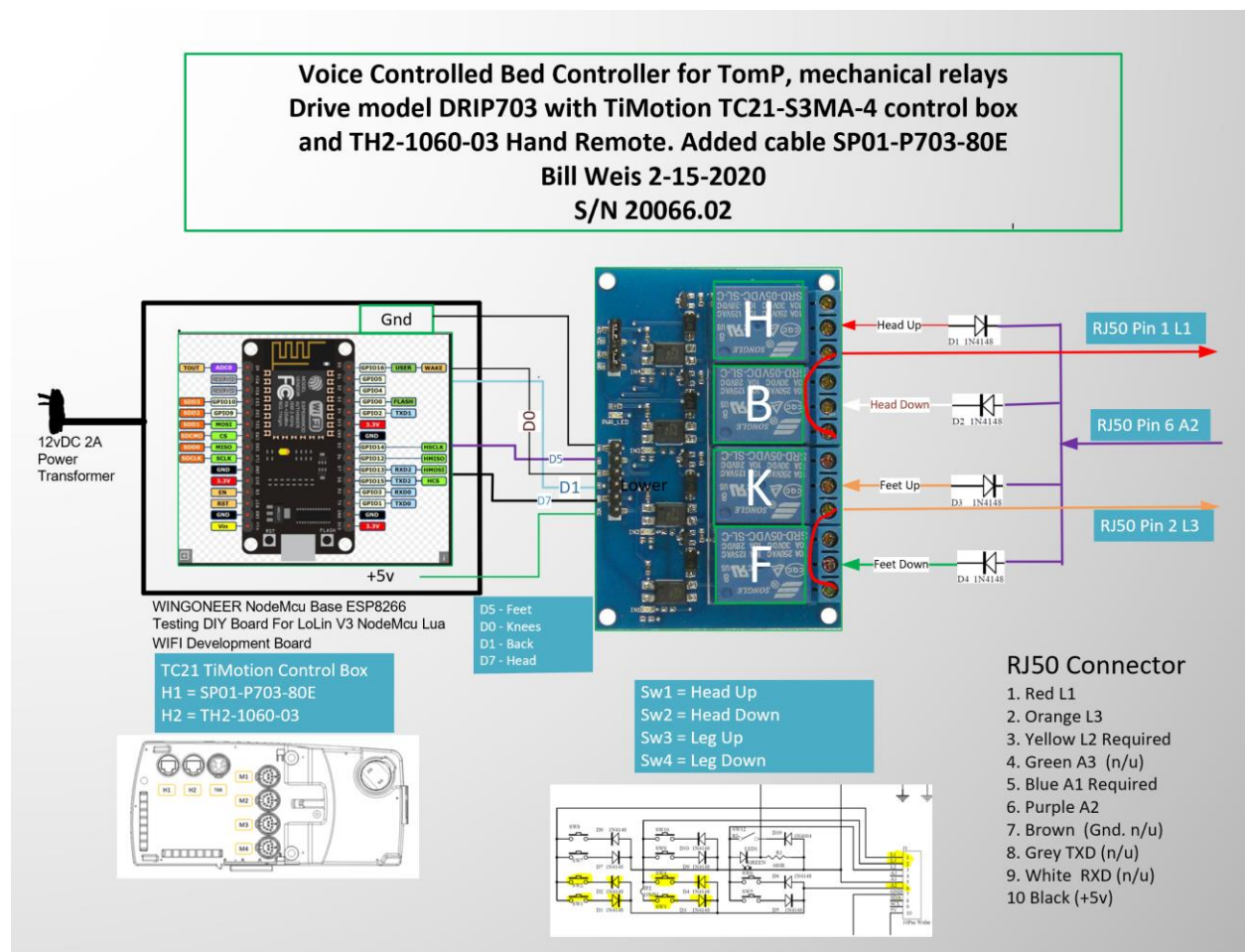
2. Be able to voice control his 2 TVs and watch cable channels as well as YouTube

We started by installing an Amazon Fire TV cube in the Man Cave. The issue we ran into was trying to control the Cable box which was a Cisco Box. We had to change the IR Profile to DTA 271. We could then control the cable box but it would drift out of consistent control. It just needed the response time to be slowed down and for it to send the signal twice instead of once.

An Amazon Fire TV cube was then installed on the master bedroom TV

3. Be able to use voice to control his Drive model DRIP703 that has a TiMotion TC21 control box and a TH2-1060-003 hand held remote - The control box in the Drive bed is a TiMotion TC21 Controller. Their hand held remote is a TH2-1060-03. There are two ports in the control box for controllers. Port H2 already was in use for the existing Hand held remote, but port H1 was open and available for our voice activated controller. The voice activated bed controller we provided allows Tom to use voice to change positions of the head rest and foot rest, while the traditional hand held allows for control for all functions including lift and lower (which is something we will not provide for safety reasons). Commands can be issued by both the Google mini and the Amazon Echo dot.

Here is a schematic of the bed controller design



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)