

Kylie K **Detailed View by Bill Weis**

Kylie K - ALS

Requirements:

1. Be able to voice control her ceiling lights
2. Be able to voice control her TV
3. Be able to voice control her Lasko tower fan

Solution – High Level:

1. We helped guide Kylie through enabling the skill for her lights
2. We provided an Amazon Fire TV Cube to control the TV by voice
3. We designed an Infrared transmitter to allow Kylie to control the Lasko fan by voice

Details of the Solution

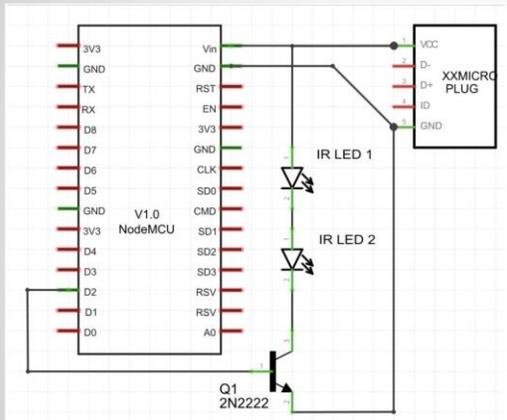
1 - Be able to use voice to control her ceiling lights – Kylie already had wifi bulbs installed, but they were not aware of how to enable the Amazon skill for the Cync (aka GE) bulbs. We helped them enable the skill which then enabled Kylie to control those lights using voice commands.

2 - Be able to voice control her TV – We provided an Amazon Fire TV Cube which enabled Kylie to control her LG model 42LA6200 TV.

3 - Be able to voice control her Lasko tower fan - We designed an Infrared Transmitter which sent the appropriate codes to the Lasko model 2559 tower fan so Kylie can turn the fan on and off, select the appropriate speed, turn on oscillate if desired. She can also set the timer feature and enable the Ionizer function.

The following page has a diagram of the solution

Kylie K. - Voice Activated Lasko Fan Model 2559
9/23/2021
S/N 21104.09



Actual remote we are emulating (2033666A)



The Lasko fan remote sends an unknown format, so we captured the raw IR data and used that in a sketch that allows Kyle to control each feature by voice which then sends the raw IR data.

The IR transmitting circuit was modeled after what is shown above. The ESP8266 Node MCU LUA microcontroller plugs into the wingoneer socket which provides the needed +5v and ground to the circuit.

[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](#)