

Elmo Doll Hack

- [Objective](#)
- [Required Components](#)
- [Teardown](#)
 - [Observations](#)
 - [Pictures](#)
- [Wiring Diagram](#)



Objective

The objective of this hack is to replace the controls of this Elmo Hugs doll with custom components in order to control the audio and movements of the doll.

Required Components

- ESP8266 Micro-Controller (Wemos Mini)
- DFPlayer MP3 Player
- H-Bridge Motor Controller
- SD Card

Teardown

Observations

- Speaker Wires - White
- Motor Wires - Red/Black
- Foot Momentary Switch - Yellow
- Extra Wires for sensors!! - what do these do?

Pictures

TODO

Wiring Diagram

