

# Elmo Doll Hack

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## 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

