

Uses timer 1 for IR (9&10)
timer 2 for sound (3&11)

GUARD

- PARTS
- IR LED
 - IR rec
 - momentary push button
 - piezo buzzer
 - 200 ohm single turn trimpot
 - LED Matrix
 - 9V with case/switch
 - Arduino

IR can't receive and send simultaneously. While button is pressed, will switch from receive to send.

IR Send -- originally had 3 feeding off 9V with a transistor, but this works great for 4-5 feet, which I want

1K

mom button uses internal pullup

200 Pot

J1

power switch

9V

<http://learn.adafruit.com/adafruit-led-backpack/1-2-8x8-matrix>

for next ones -- bend ir led over sideways to use top rails

line up side in order for ir receiver

keep loose leads for power

- Solder steps
- power supply to RBBB
 - RBBB
 - Pow/ground
 - buzzer and pot
 - ir led
 - ir rec
 - matrix
 - button leads