AIM: Design system for car stereo systems such that whenever the increase volume button is pressed, a red background given by red LED blinks the number of times the button is pressed.

COMPONETS:

1LED

1Push button

7 Wires

2 Resistor

1 Arduino

1 Bread board

PRECAUTIONS:

Don’t connect arduino to usb before connecting to pins.

CODE

int button\_state = 0;

int buttonstate = 0;

void setup()

{

pinMode(2, INPUT);

pinMode(13, OUTPUT);

}

void loop()

{

// read the state of the pushbutton

buttonstate = digitalRead(2);

// check if push button is pressed if it is,the

// button is HIGH

if (buttonstate == HIGH) {

digitalWrite(13, HIGH);

} else {

digitalWrite(13, LOW);

}

delay(10); // Delay a little bit to improve simulation performance

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