#include <SoftwareSerial.h>

#include <IRremote.h>

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int RECV\_PIN = 7;

IRrecv irrecv(RECV\_PIN);

decode\_results results;

const int MOTOR=5; //Motor on Digital Pin 5

void setup()

{

Serial.begin(9600);

irrecv.enableIRIn(); // Start the receiver

Serial.println(results.value, HEX);

irrecv.resume(); // Receive the next value

pinMode(MOTOR,OUTPUT);

}

void loop()

{

if (irrecv.decode(&results)) {

Serial.println(results.value, HEX);

irrecv.resume(); // Receive the next value

for (int i=0; i<256; i++)

{

analogWrite(MOTOR,i);

delay(10);

}

delay(2000);

for (int i=255; i>=0; i--)

{

analogWrite(MOTOR, i);

delay(10);

}

delay(2000);

}

}