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#include <IRremote.h>

const int RECV_PIN = 7;
IRrecv irrecv(RECV_PIN);
decode_results results;
unsigned long key_value = 0;

int uvled = 6;
int redpin = 11;
int greenpin = 10;
int bluepin = 9;

void setup(){
  Serial.begin(9600);
  irrecv.enableIRIn();
  irrecv.blink13(true);
  pinMode(uvled, OUTPUT);
  pinMode(redpin, OUTPUT);
  pinMode(greenpin, OUTPUT);
  pinMode(bluepin, OUTPUT);
}

void loop(){
  if (irrecv.decode(&results)){

    if (results.value == 0xFFFFFFFF)
      results.value = key_value;

    switch(results.value){
      case 0xFFA25D:
        Serial.println("Power");
        setColor(255, 0, 255);
        delay(1000);
        setColor(0,0,0);
        break;
      case 0xFF629D:
        Serial.println("CH");
        setColor(255, 0, 0);
        delay(250);
        setColor(0,0,0);
        break;
      case 0xFFE21D:
        Serial.println("CH+");
        setColor(255, 0, 0);
        delay(250);

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setColor(0,0,0);
break;
case 0xFF22DD:
Serial.println("|<<");
setColor(255, 0, 0);
delay(250);
setColor(0,0,0);
break;
case 0xFF02FD:
Serial.println("Enter");
setColor(255, 255, 255);
delay(1000);
setColor(0,0,0);
break ;
case 0xFFC23D:
Serial.println(">|");
setColor(255, 0, 0);
delay(250);
setColor(0,0,0);
break ;
case 0xFFE01F:
Serial.println("Down");
setColor(0, 255, 0);
delay(1000);
setColor(0,0,0);
break ;
case 0xFFA857:
Serial.println("+");
setColor(255, 0, 0);
delay(250);
setColor(0,0,0);
break ;
case 0xFF906F:
Serial.println("Up");
setColor(255, 0, 0);
delay(1000);
setColor(0,0,0);
break ;
case 0xFF6897:
Serial.println("0");
setColor(255, 0, 0);
delay(250);
setColor(0,0,0);
break ;
case 0xFF9867:
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Serial.println("100+");
setColor(255, 0, 0);
delay(250);
setColor(0,0,0);
break ;
case 0xFFB04F:
Serial.println("200+");
setColor(255, 0, 0);
delay(250);
setColor(0,0,0);
break ;
case 0xFF30CF:
Serial.println("1");
setColor(0, 255, 255);
delay(50);
setColor(0,0,0);
break ;
case 0xFF18E7:
Serial.println("2");
setColor(0, 255, 255);
delay(50);
setColor(0,0,0);
break ;
case 0xFF7A85:
Serial.println("3");
setColor(0, 255, 255);
delay(50);
setColor(0,0,0);
break ;
case 0xFF10EF:
Serial.println("4");
setColor(0, 255, 255);
delay(50);
setColor(0,0,0);
break ;
case 0xFF38C7:
Serial.println("5");
setColor(0, 255, 255);
delay(50);
setColor(0,0,0);
break ;
case 0xFF5AA5:
Serial.println("6");
setColor(0, 255, 255);
delay(50);
```

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        setColor(0,0,0);
        break ;
        case 0xFF42BD:
        Serial.println("7");
        setColor(0, 255, 255);
        delay(50);
        setColor(0,0,0);
        break ;
        case 0xFF4AB5:
        Serial.println("8");
        setColor(0, 255, 255);
        delay(50);
        setColor(0,0,0);
        break ;
        case 0xFF52AD:
        Serial.println("9");
        setColor(0, 255, 255);
        delay(50);
        setColor(0,0,0);
        break ;
    }
    key_value = results.value;
    irrecv.resume();
}

digitalWrite(uvled, HIGH);

}

void setColor(int red, int green, int blue)
{
#ifdef COMMON_ANODE
    red = 255 - red;
    green = 255 - green;
    blue = 255 - blue;
#endif
    analogWrite(redpin, red);
    analogWrite(greenpin, green);
    analogWrite(bluepin, blue);
}

```