

# 433 MHz Tx & Rx

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ISRO

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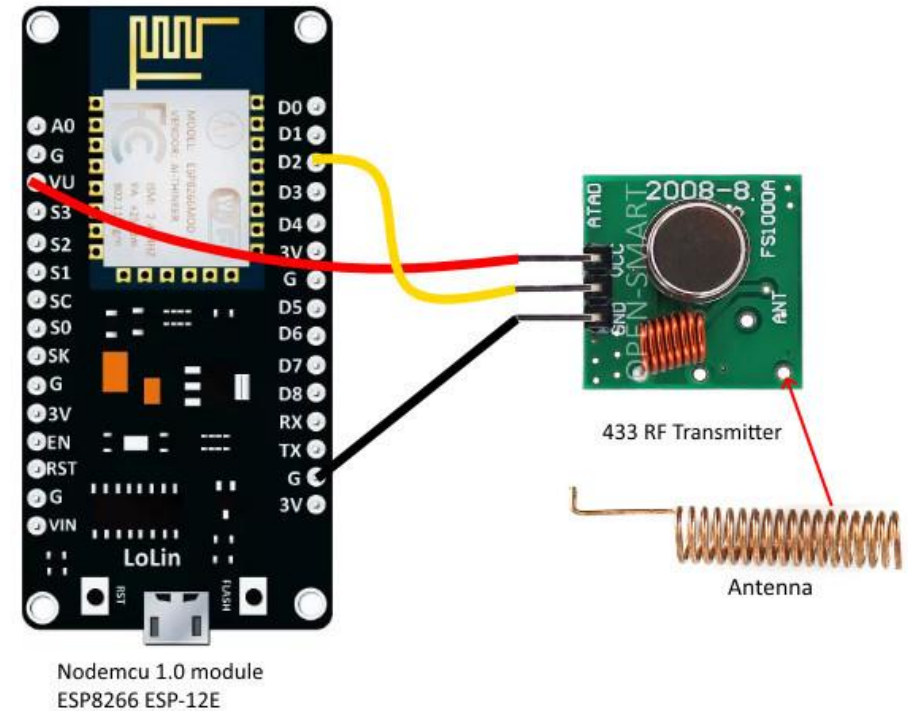
/* Example for different sending methods https://github.com/sui77/rc-switch/ */
#include <RCSwitch.h>
RCSwitch mySwitch = RCSwitch();
void setup() {
  Serial.begin(9600);
  pinMode(D1, OUTPUT);
  // Transmitter is connected to Arduino Pin #10
  mySwitch.enableTransmit(D2);

  // Optional set protocol (default is 1, will work for most outlets)
  // mySwitch.setProtocol(2);

  // Optional set pulse length.
  // mySwitch.setPulseLength(320);

  // Optional set number of transmission repetitions.
  // mySwitch.setRepeatTransmit(15);
}
void loop() {
  /* See Example: TypeA_WithDIPSwitches */
  mySwitch.switchOn("11111", "00010");
  delay(1000);
  mySwitch.switchOff("11111", "00010");
  delay(1000);
  /* Same switch as above, but using decimal code */
  mySwitch.send(5393, 24);
  delay(1000);
  mySwitch.send(5396, 24);
  delay(1000);
  /* Same switch as above, but using binary code */
  mySwitch.send("00000000001010100010001");
  delay(1000);
  mySwitch.send("00000000001010100010100");
  delay(1000);
  /* Same switch as above, but tri-state code */
  mySwitch.sendTriState("00000FFF0F0F");
  delay(1000);
  mySwitch.sendTriState("00000FFF0FF0");
  delay(1000);
  delay(20000);
}

```



```

/*
 Simple example for receiving

 https://github.com/sui77/rc-switch/
 */

#include <RCSwitch.h>

RCSwitch mySwitch = RCSwitch();

void setup() {
  Serial.begin(9600);
  pinMode(D1, INPUT);
  mySwitch.enableReceive(D3); // Receiver on interrupt 0 => that is pin #2
}

void loop() {
  if (mySwitch.available()) {

    Serial.print("Received ");
    Serial.print( mySwitch.getReceivedValue() );
    Serial.print(" / ");
    Serial.print( mySwitch.getReceivedBitlength() );
    Serial.print("bit ");
    Serial.print("Protocol: ");
    Serial.println( mySwitch.getReceivedProtocol() );

    mySwitch.resetAvailable();
  }
}

```

