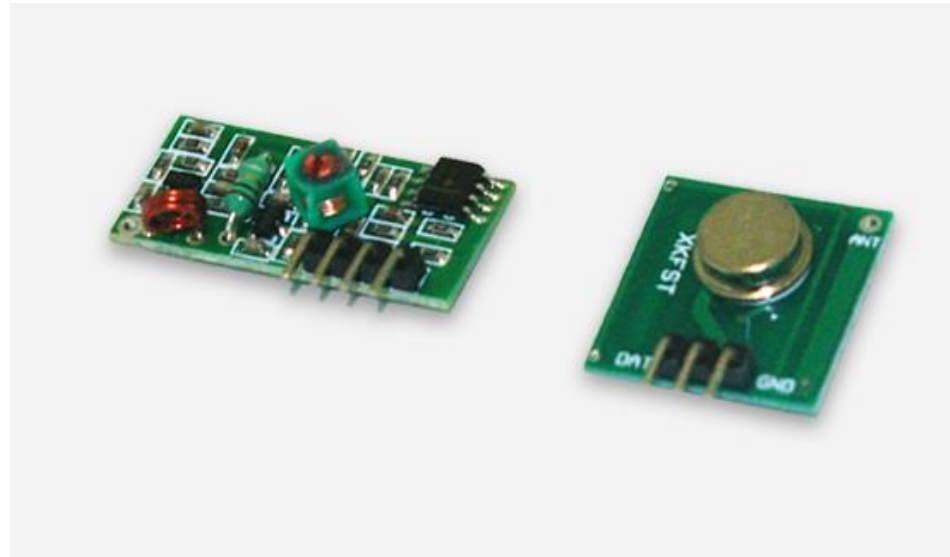
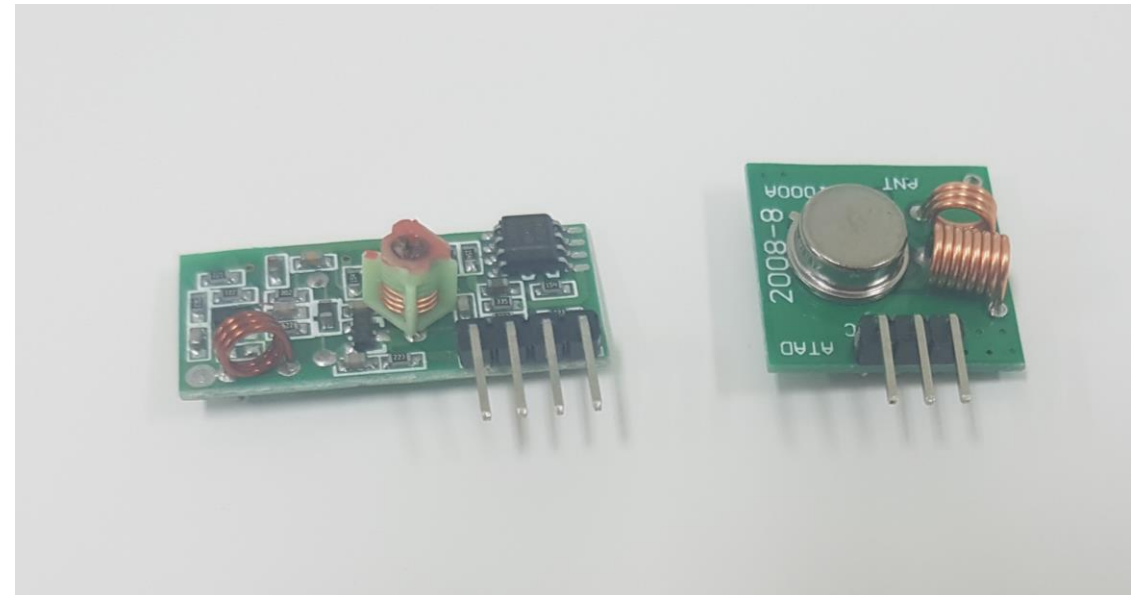
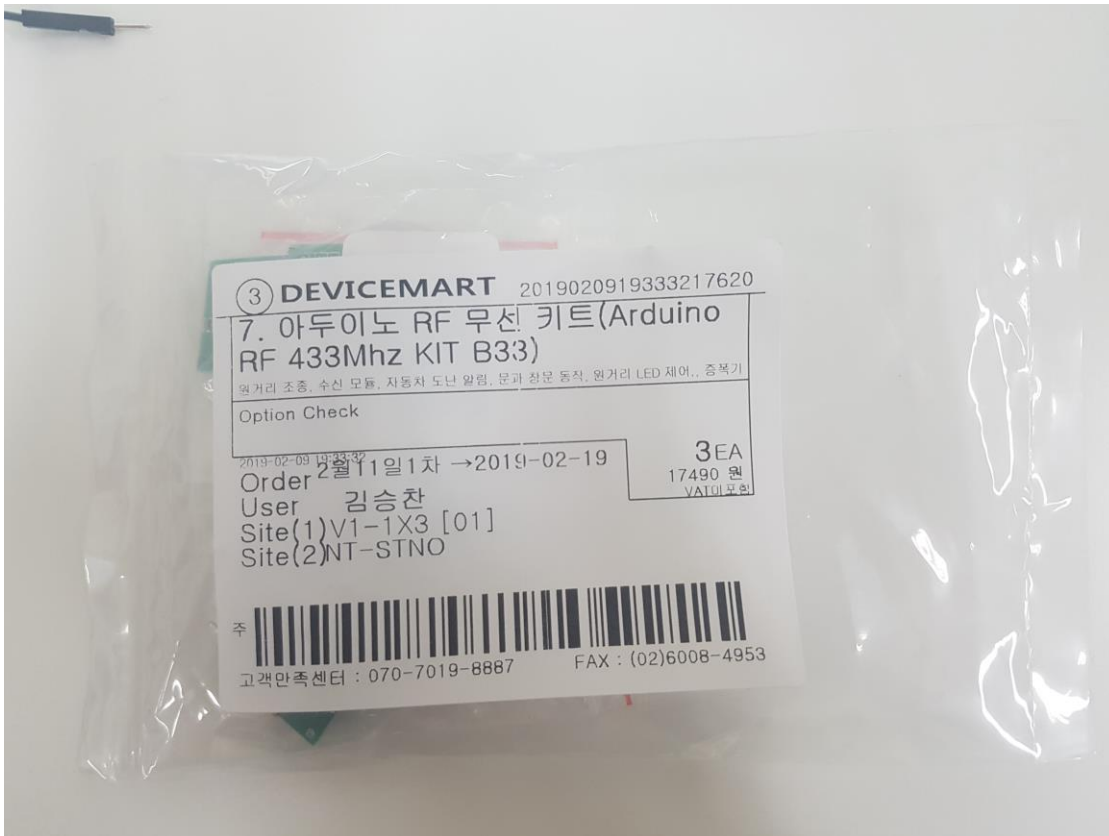


433MHZ RF  
무선 송신기 및 수신기 키트

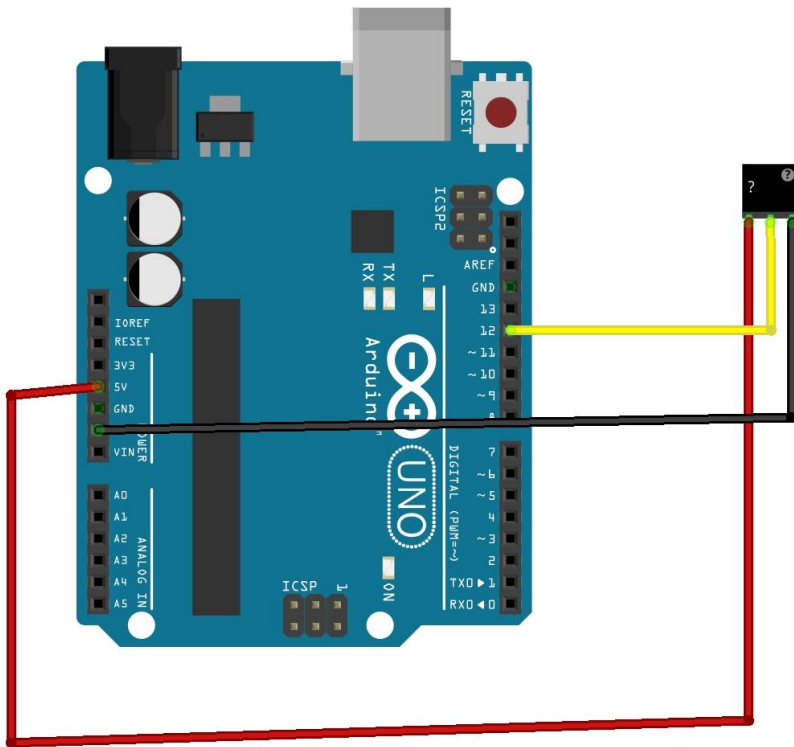
# 433MHZ RF 무선 송신기 및 수신기 키트



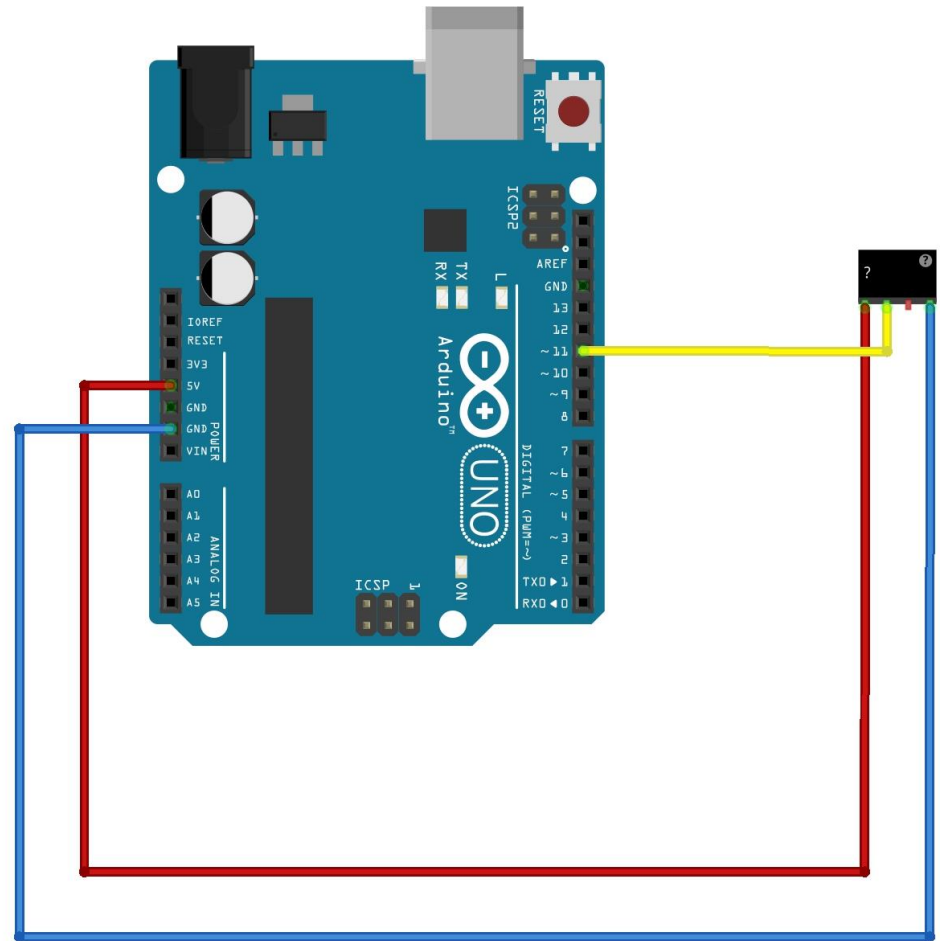
# 433MHZ RF 무선 송신기 및 수신기 키트



# 회로도



송신기

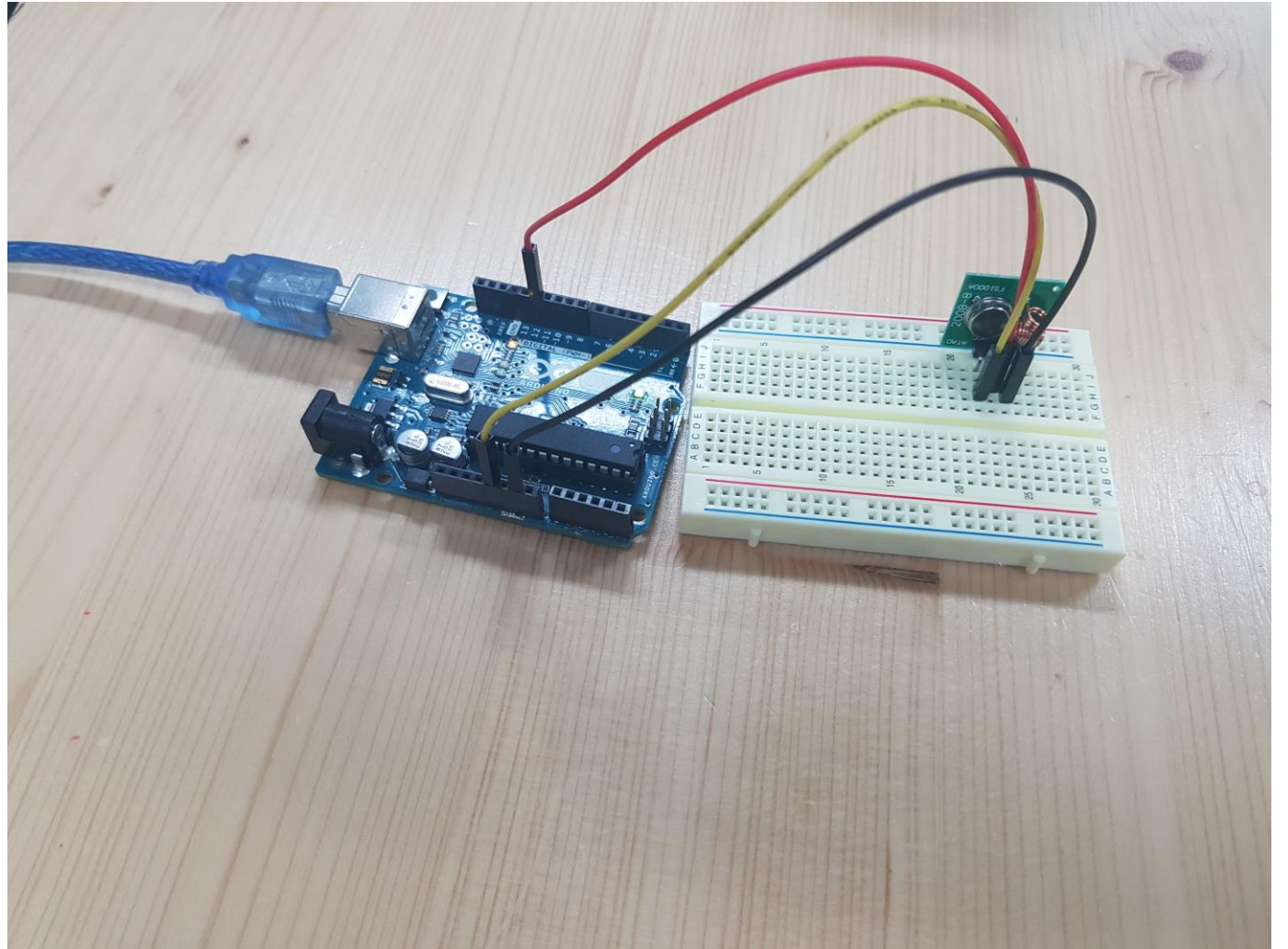


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수신기

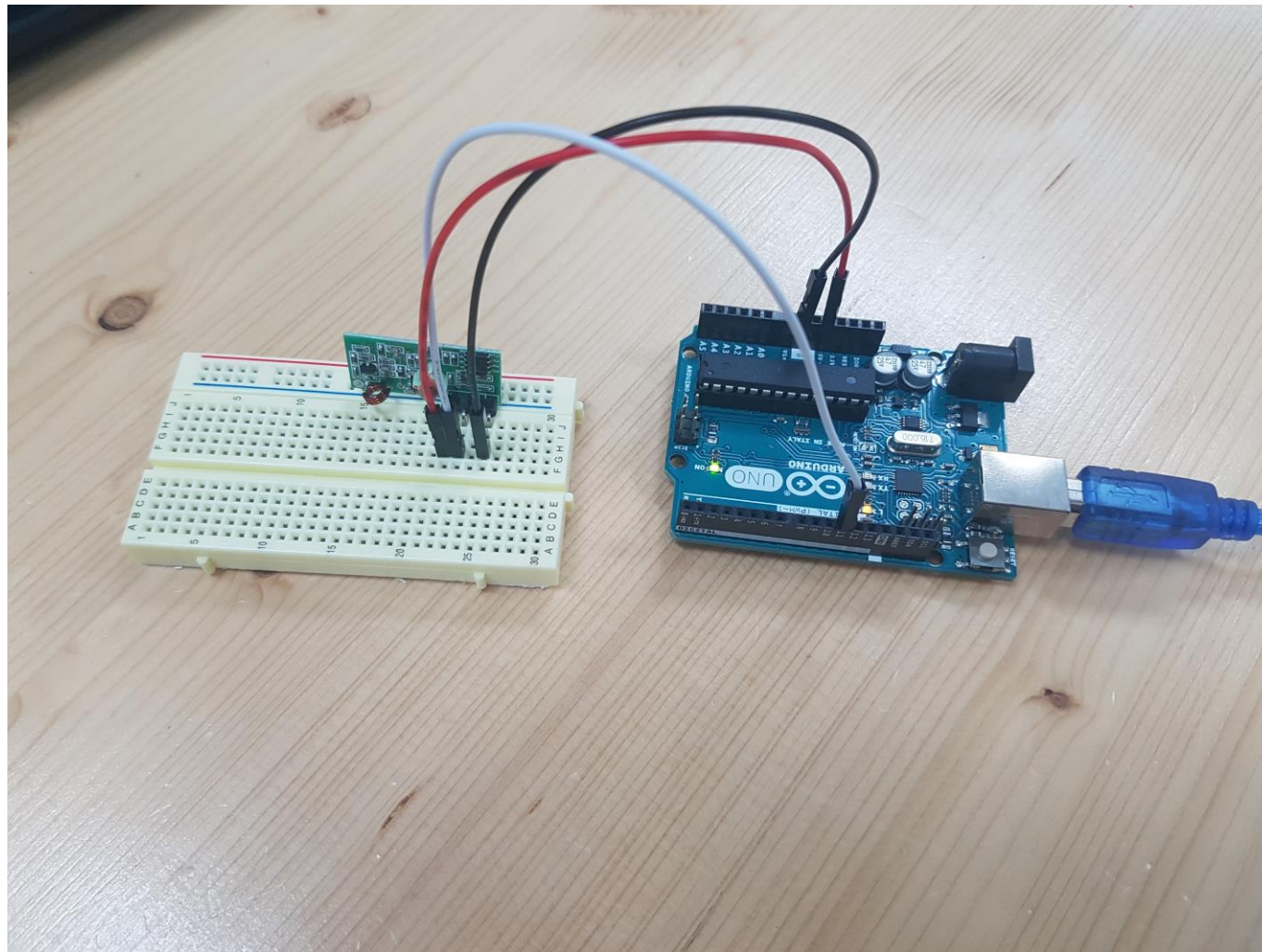
# 송신기

DATA	12
VCC	5V
GND	GND



# 수신기

GND	GND
DATA	11
DATA	
VCC	5V





# 송신기 코드

```
#include <VirtualWire.h>

const int TX_DIO_Pin = 12; // default 12

void setup()
{
    vw_set_tx_pin(TX_DIO_Pin); // Initialize TX pin
    vw_setup(2000); // Transfer speed : 2000 bits per sec
}

void loop()
{
    send("TEST");
    delay(1000);
}

void send (char *message)
{
    vw_send((uint8_t *)message, strlen(message));
    vw_wait_tx(); // Wait until the whole message is gone
}
```

# 수신기 코드

```
#include <VirtualWire.h>

byte message[VW_MAX_MESSAGE_LEN]; // a buffer to store the incoming messages
byte messageLength = VW_MAX_MESSAGE_LEN; // the size of the message

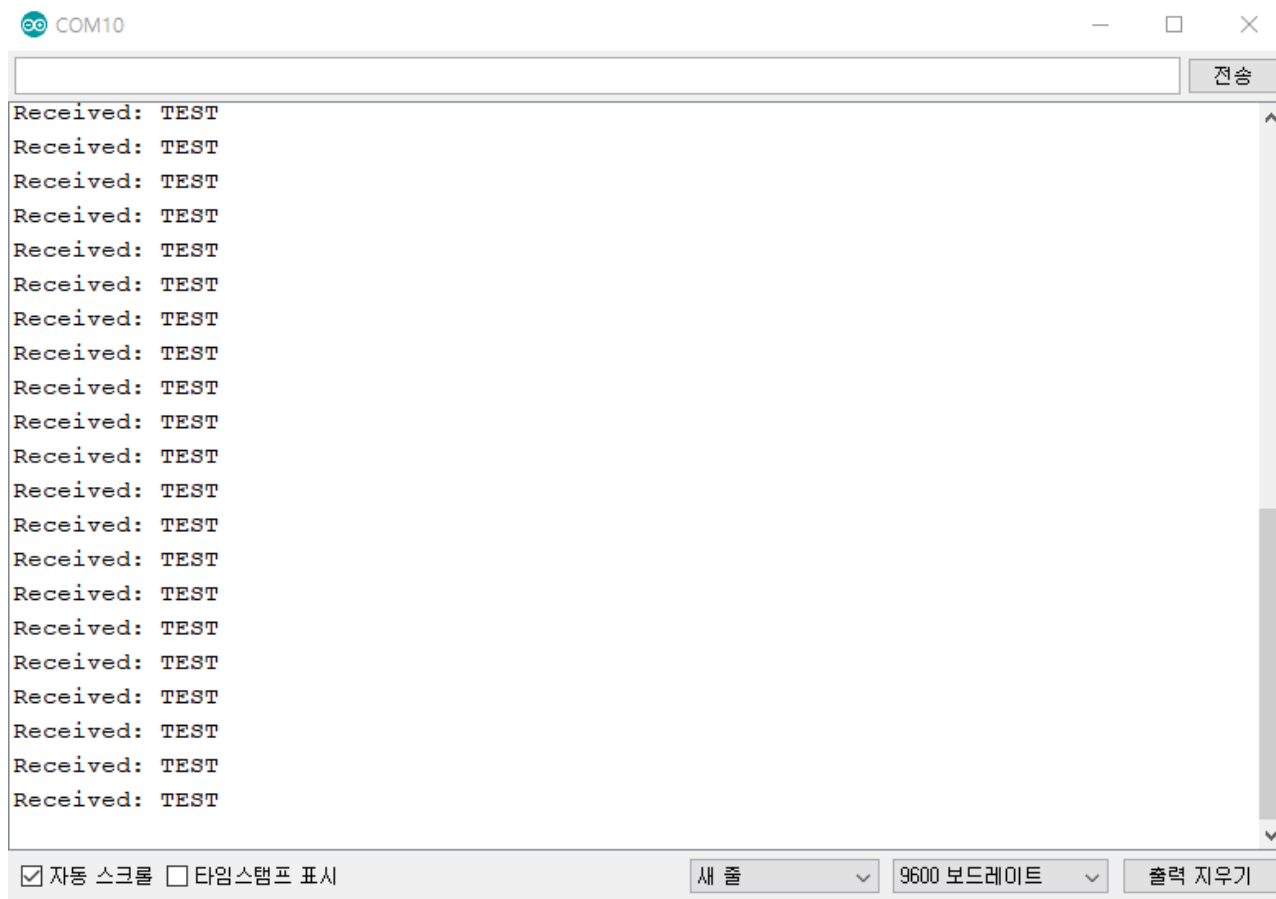
const int RX_DIO_Pin = 11; // default 11

void setup()
{
    Serial.begin(9600);
    Serial.println("Ready to receive:");
    vw_set_rx_pin(RX_DIO_Pin); // Initialize RX pin
    vw_setup(2000); // Transfer speed : 2000 bits per sec
    vw_rx_start(); // Start the receiver
}

void loop()
{
    if (vw_get_message(message, &messageLength)) // Non-blocking
    {
        Serial.print("Received: ");
        for (int i = 0; i < messageLength; i++)
        {
            Serial.write(message[i]);
        }
        Serial.println();
    }
}
```



# 출력 결과

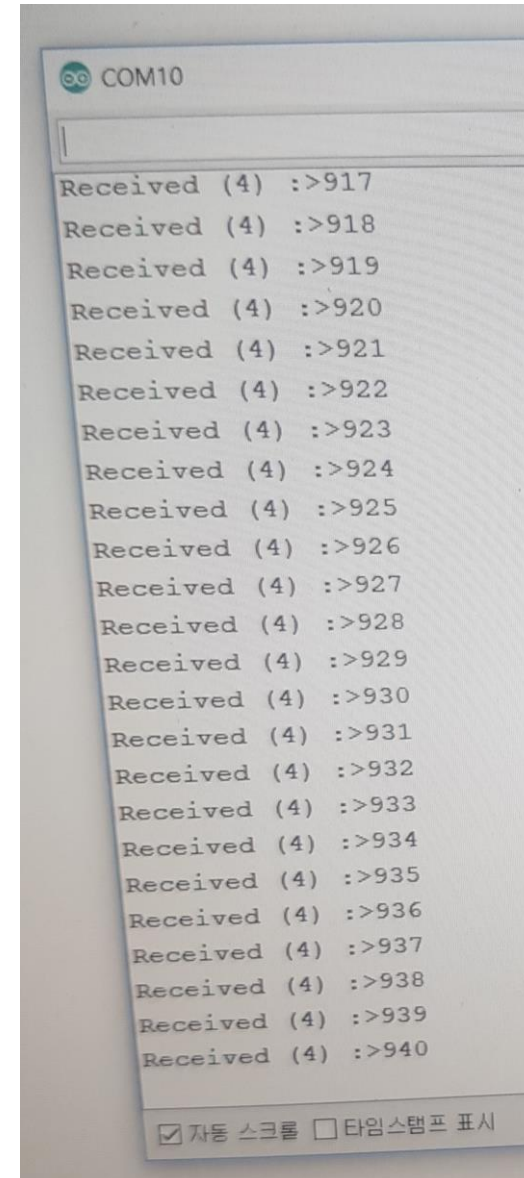
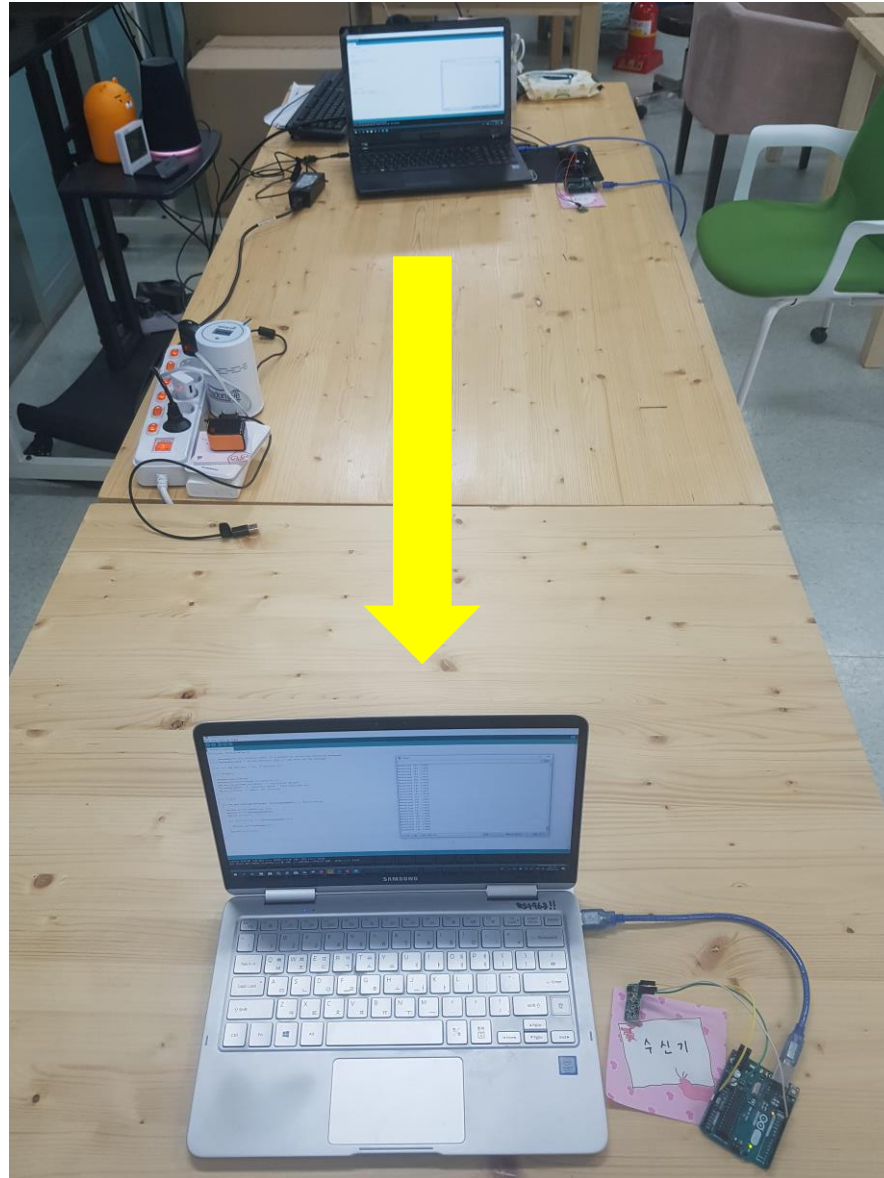


A screenshot of a Windows terminal window titled "COM10". The window displays 20 lines of text, each reading "Received: TEST". The text is in a monospaced font. At the top right of the window is a "전송" (Send) button. At the bottom of the window is a control bar with the following elements from left to right: a checked checkbox for "자동 스크롤" (Auto scroll), an unchecked checkbox for "타임스탬프 표시" (Show timestamps), a dropdown menu for "새 줄" (New line) currently showing a carriage return character, a dropdown menu for "9600 보드레이트" (9600 baud rate), and a "출력 지우기" (Clear output) button.

```
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
Received: TEST
```

☒ 자동 스크롤 ☐ 타임스탬프 표시 새 줄 9600 보드레이트 출력 지우기

# 결과



# 결과 영상

