

Arduino Sketch Empfänger

Empfaenger_final §

```
1 #include <SPI.h>
2 #include <RH_RF95.h>
3
4 RH_RF95 rf95;
5
6 int led_betrieb = 3;
7 int packet = 0;
8 int bodenfgt_min = 120;
9 bool bodenfgt_gut;
10 byte endsequenz[3] = {255, 255, 255};
11
12
13 void setup()
14 {
15     pinMode(led_betrieb, OUTPUT);
16     Serial.begin(9600);
17     rf95.init();
18 }
19
20 void loop()
21 {
22     if (rf95.available())
23     {
24         uint8_t buf[RH_RF95_MAX_MESSAGE_LEN];
25         uint8_t len = sizeof(buf);
26         if (rf95.recv(buf, &len))
27         {
28             packet = 1;
29             digitalWrite(led_betrieb, HIGH);
30             byte Temperatur = buf[0];
31             byte Luftfeuchtigkeit = buf[1];
32             byte bodensensor = buf[2];
33             byte regensensoranalog = buf[3];
34
35
36             Serial.print("\n0.val=");
37             Serial.print(Temperatur);
38             Serial.write(endsequenz, 3);
39
40             Serial.print("\n1.val=");
41             Serial.print(Luftfeuchtigkeit);
42             Serial.write(endsequenz, 3);
43
```

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44     Serial.print("n3.val=");
45     Serial.print(regensensoranalog);
46     Serial.write(endsequenz, 3);
47
48     Serial.print("n2.val=");
49     Serial.print(bodensensor);
50     Serial.write(endsequenz, 3);
51
52     if (bodensensor >= bodenfgt_min)
53     {
54         Serial.print("t7.txt=\\\"");
55         Serial.write(endsequenz, 3);
56         bodenfgt_gut = true;
57     }
58     else
59     {
60         Serial.print("t7.txt=\"Alarm Bodenfeuchtigkeit\"");
61         Serial.write(endsequenz, 3);
62         bodenfgt_gut = false;
63     }
64     uint8_t data[] = "Antwortpacket";
65     rf95.send(data, sizeof(data));
66     rf95.waitPacketSent();
67     digitalWrite(led_betrieb, LOW);
68 }
69 }
70 }
```