

Attiny85 RF 433Mhz transmitter to Arduino RF receiver not work

I spent a lot of time on this issue and frankly speaking I am stuck. On my projet I would like to set up a temperature sensor based on Attiny85 / DTH22 configured as a Tx RF 433Mhz transmitter. On the other side I have a Arduino Uno with a Rx RF 433Mhz receiver configuration. I have tried Virtualwire and Manchester library with the same result.

The Arduino do no detect the signal received from the Attiny85 even if the signal is received , I have checked with an oscilloscope.

Configuration works (data is sent and recognized at the receiver side) between 2 Attiny85 configured both for Transmitter and Receiver side.

I try to understand why the configuration Attiny85 (Tx) and Arduino (Rx) not work . I found many example on web side that describe both virtual wire or Manchester implementation.

I understand that the Attiny has timer0 and timer1 that could explain the issue . Do I have to made some tuning ? I muse that Attiny with Arduino is a common configuration.

I'am using Arduino UNO (not genuine) IDE 1.8.5 .

kinds regards, Manu

rf attiny85

asked Mar 1 at 17:52



manu95
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Please clarify what you mean by checking with a scope. Ordinarily the output of cheap 433 MHz receivers will toggle back and forth even without any input at all. Additionally, you should be able to connect both the ATtiny85 and Arduino to the *same receiver at the same time* - if you can't, it suggests that your actual problem might be wiring, a bad receiver, or a pin that is configured as an output rather than an input. – [Chris Stratton](#) Mar 1 at 17:54
- When I use 2 Attiny85, one for transmitter and one for receiver configuration with Virtualwire works perfectly, but when I configured the Arduino as the receiver with 1 pins connected and one more for led flashing , I does not work. That my main issue here. When transmitter sent data , I am to see the trace on the scope (mostly square signal) on both transmitter and Attiny85 receiver , same when I switch to my Arduino. Arduino received the same flow but do not react. I would say cabling is ok , configuration of the Arduino is quite simple. Thanks Chris for you kind feedback. – [manu95](#) Mar 1 at 18:02
- Sounds like you need to edit the code for the non-working receiver into your question. – [Chris Stratton](#) Mar 1 at 18:08
- Chris, I have tested this code : [instructables.com/id/...](#) and I do not work . I can see a signal on the scope it synchronized with the data coming from the transmitter but this simple code show nothing on the IDE serial. – [manu95](#) Mar 1 at 18:15
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You need to show the code *in your question* not as a link. – [Chris Stratton](#) Mar 1 at 18:26