

avrdude: stk500():not in sync: resp=0x00

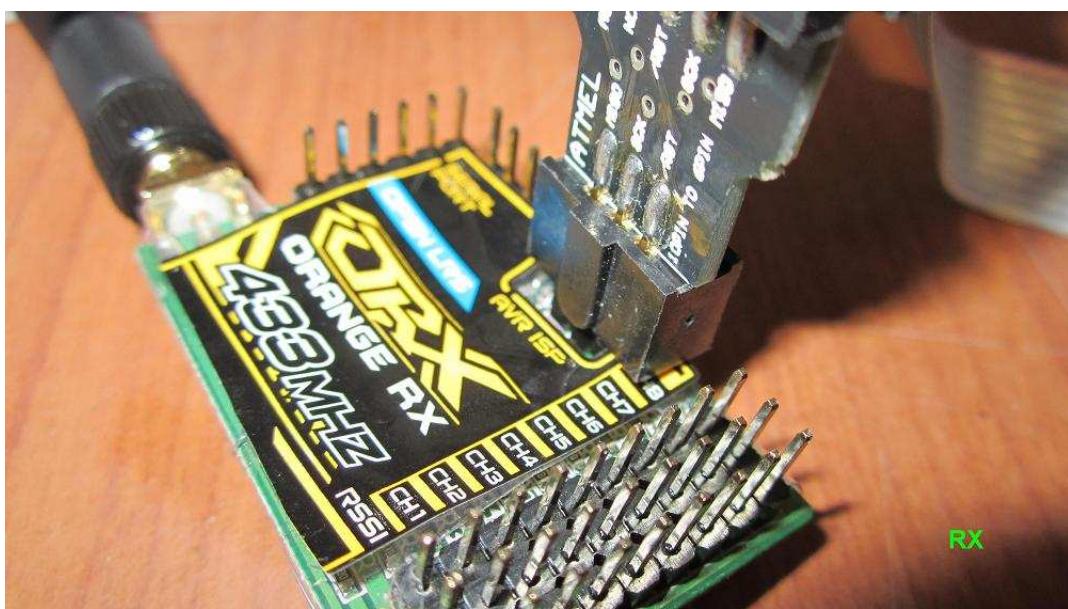
in some rx or tx during the upload of the new firmware , is possible that the ide at the end show this error code "**avrdude: stk500():not in sync: resp=0x00**"

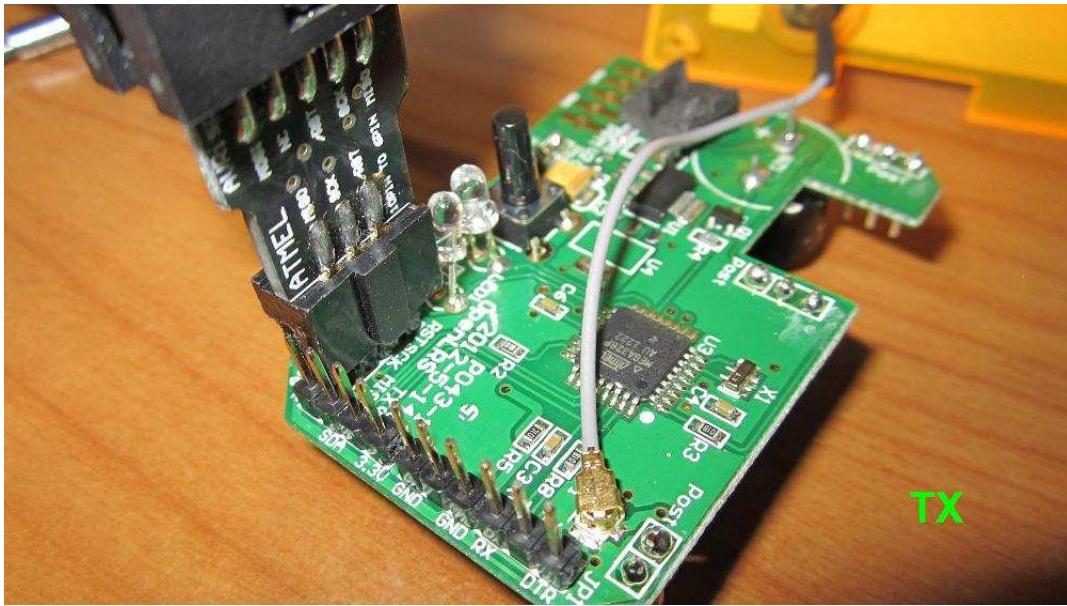
Why this happen? The reason is ,that the arduino ide is not able to see the arduino board, too many reason can produce this error code , for example if you try to upload a code , without a board connected , you can see this error "**avrdude: stk500():not in sync: resp=0x00**" so this means that something prevent the arduino ide , to see the board , so you check tipe of board , com port , or if the driver are well installed , if not or wrong installed in start-control panel-system-hardware,is shown all devices if one of them is marked whit a yellow dot (!)it means that the driver is not installed.

But another reason can produce this error , the " bootloader "

It as a code, just few line ,written in the eprom of the microchip , the boot loader listen if an ide I ready to upload a code, when the microchip is switched on , but if the bootloader is not installed or damaged an error is shown .

In this issue i explain how fix it , in my case I use two type of programmer one for the bootloader " usbasp" and one for the code "avrisp" , only in this way I can upload the rx and tx firmware.

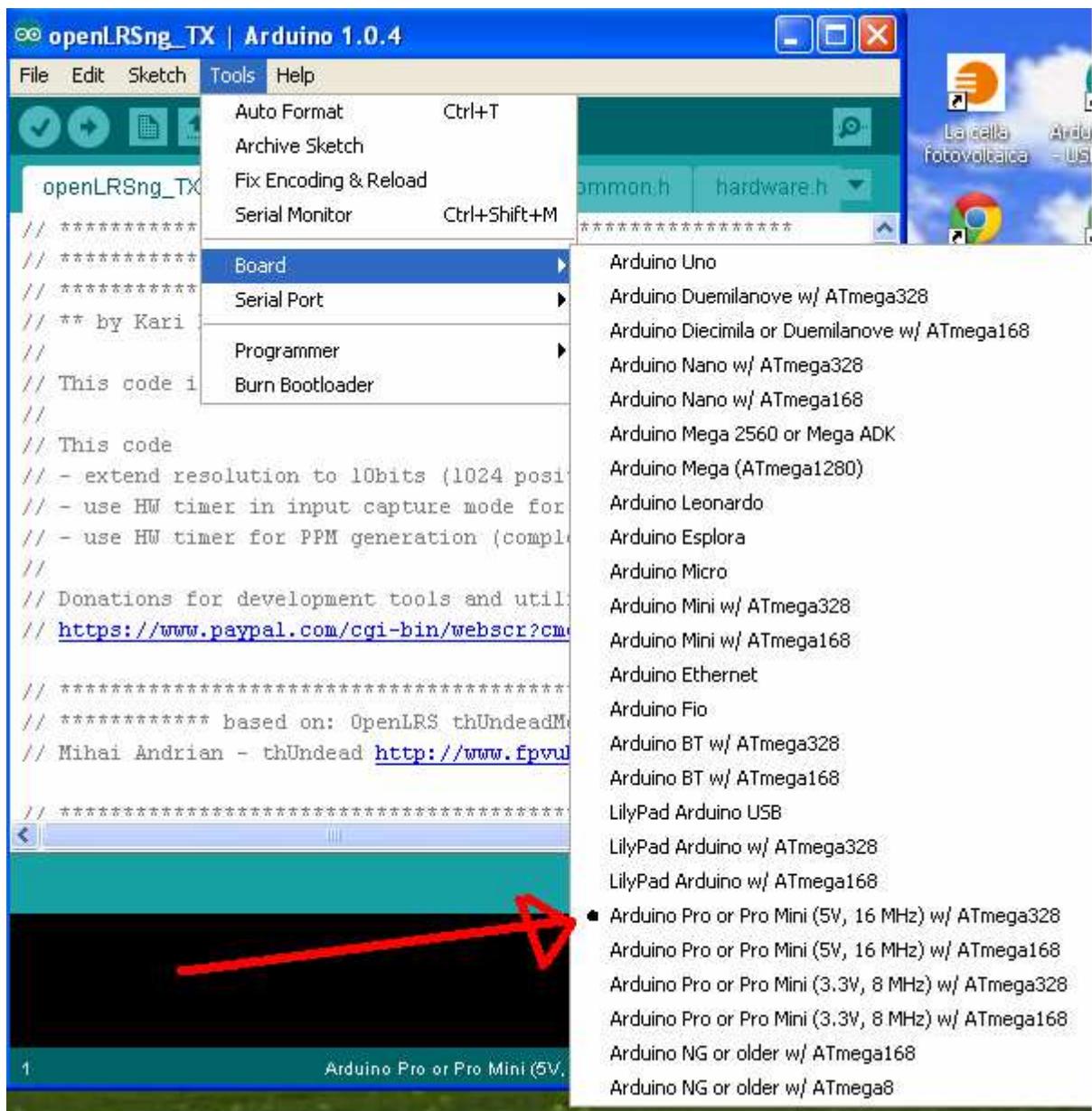




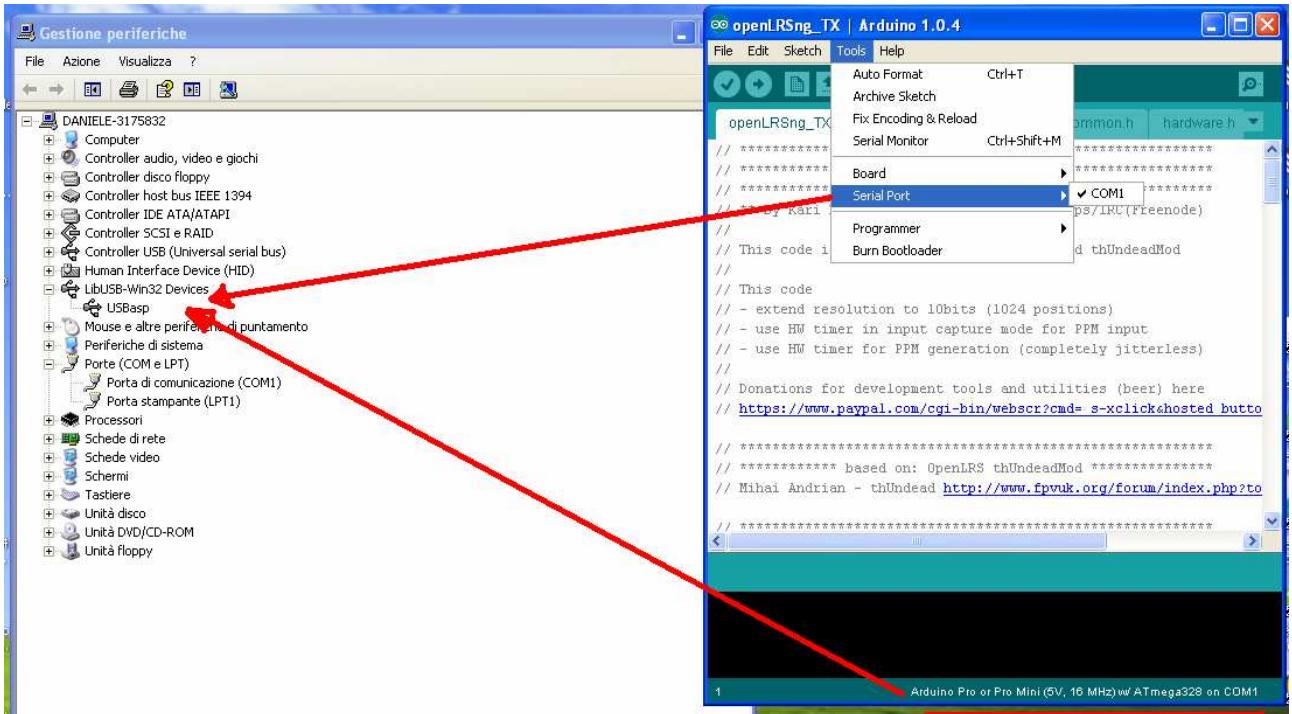
connect your usbasp as shown in the photo is the same way for the rx and the tx



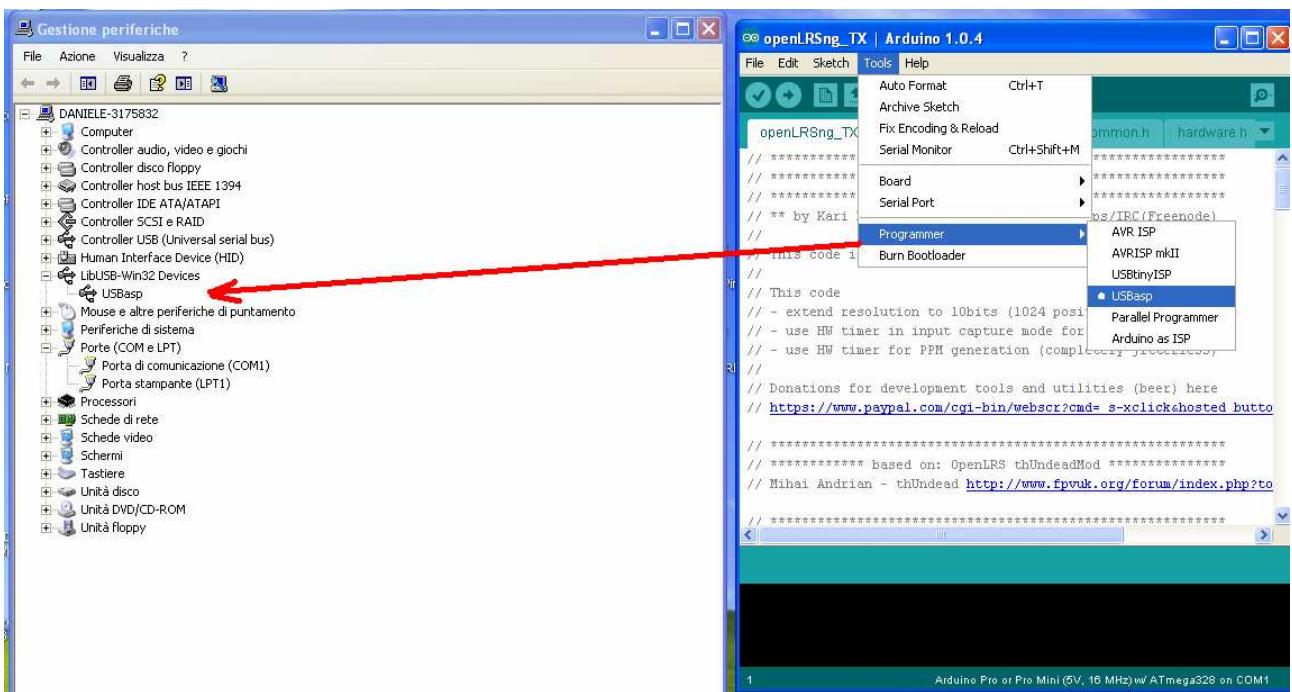
select 3.3 volt in your usbasp device



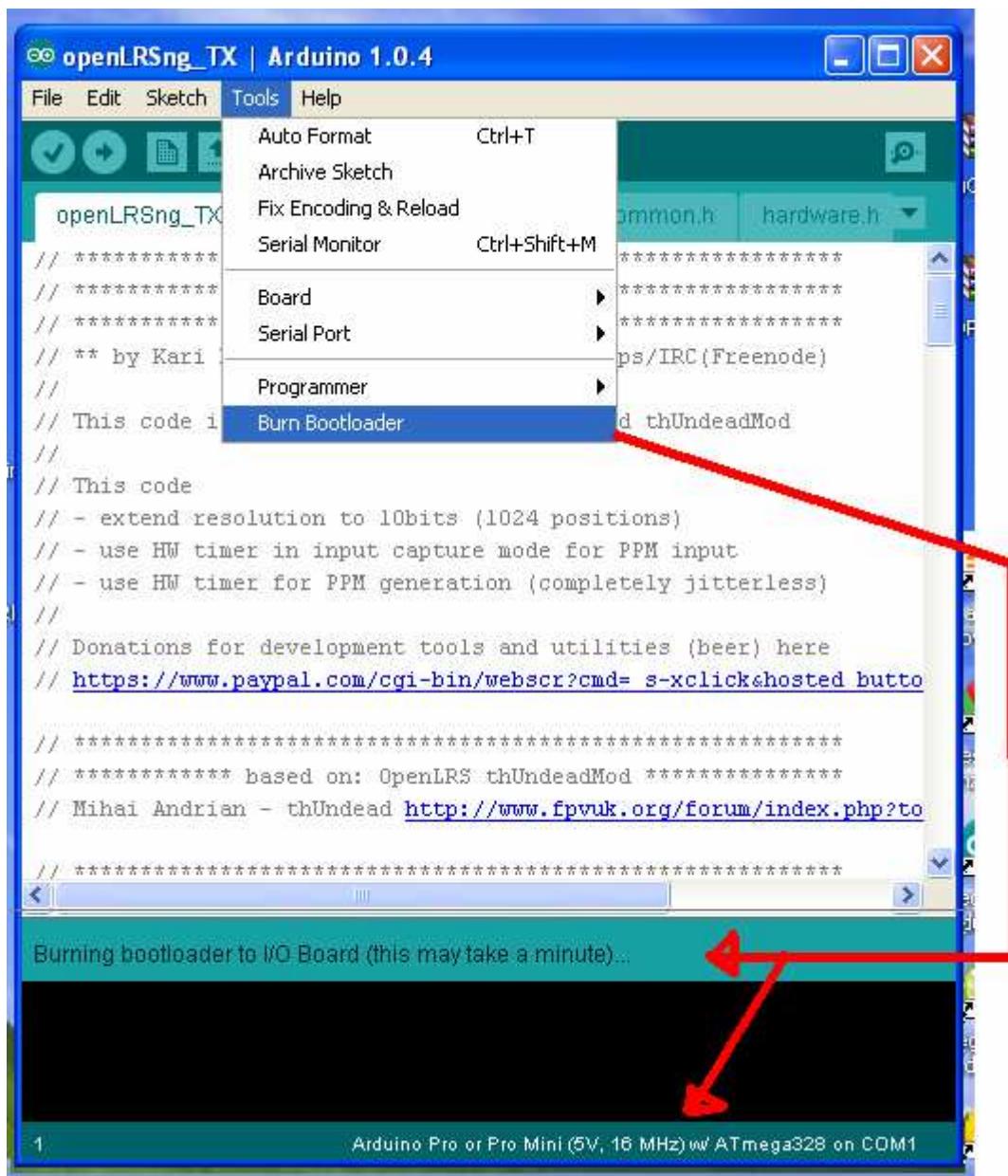
select the board



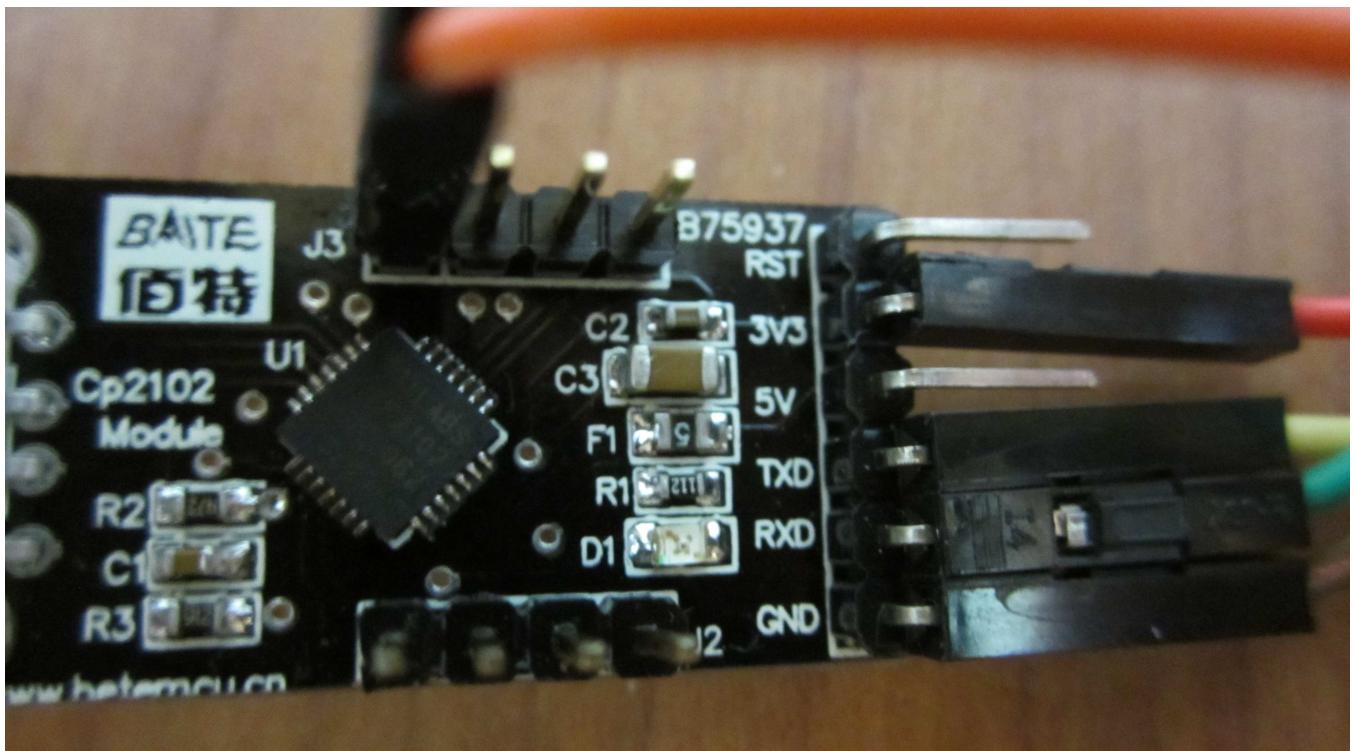
check in start-control pannel-service-hardware- the usbasp device , the com post is opened automatically



select the device on arduino ide

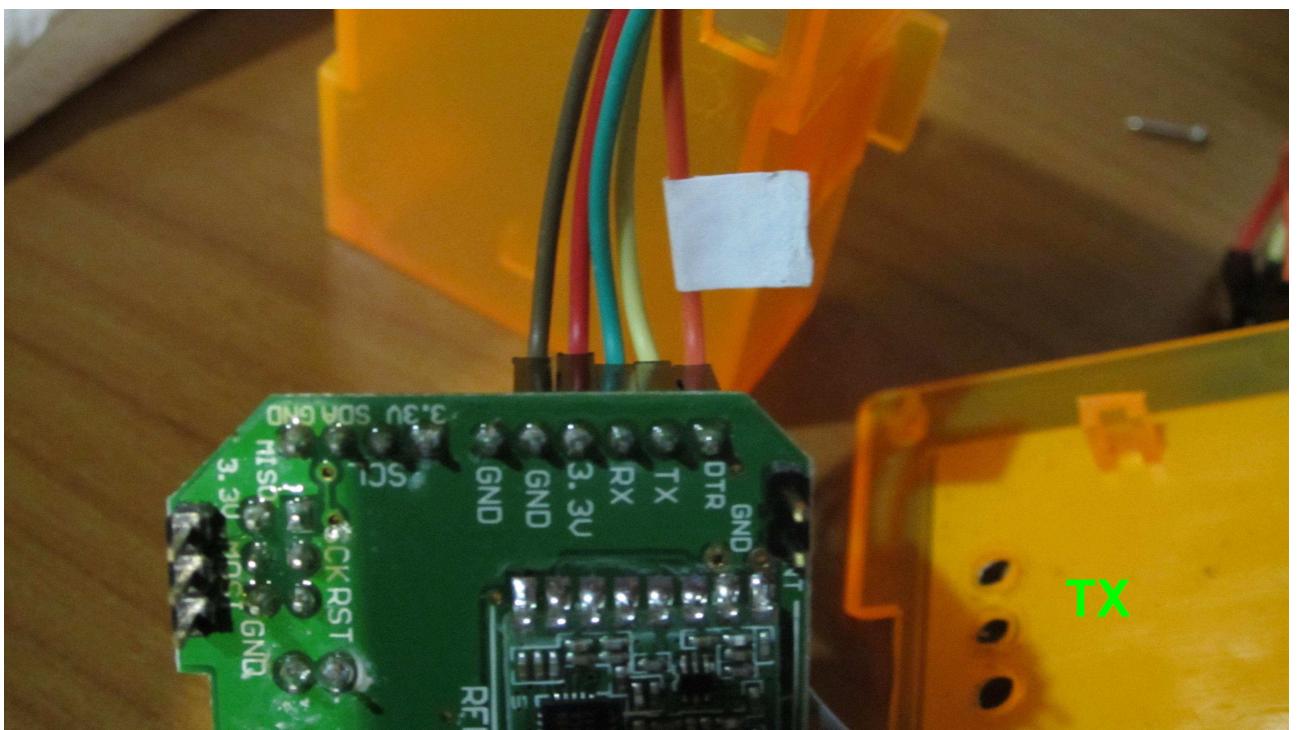
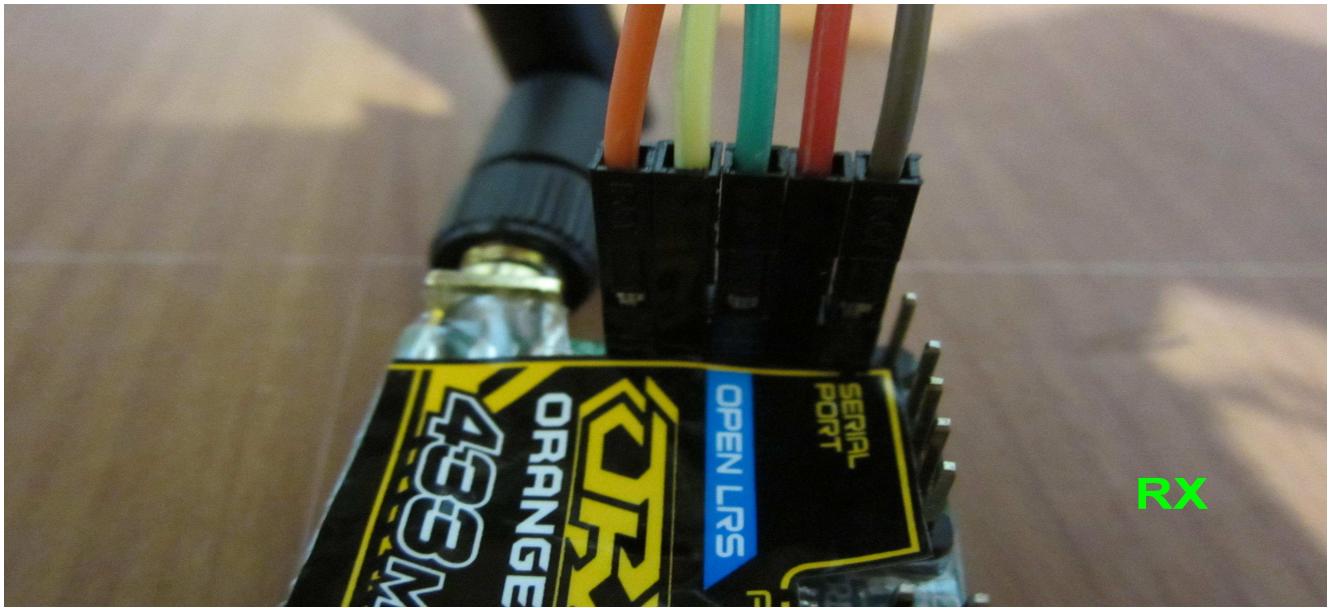


upload the bootloader and at the end disconnect the usbasp device

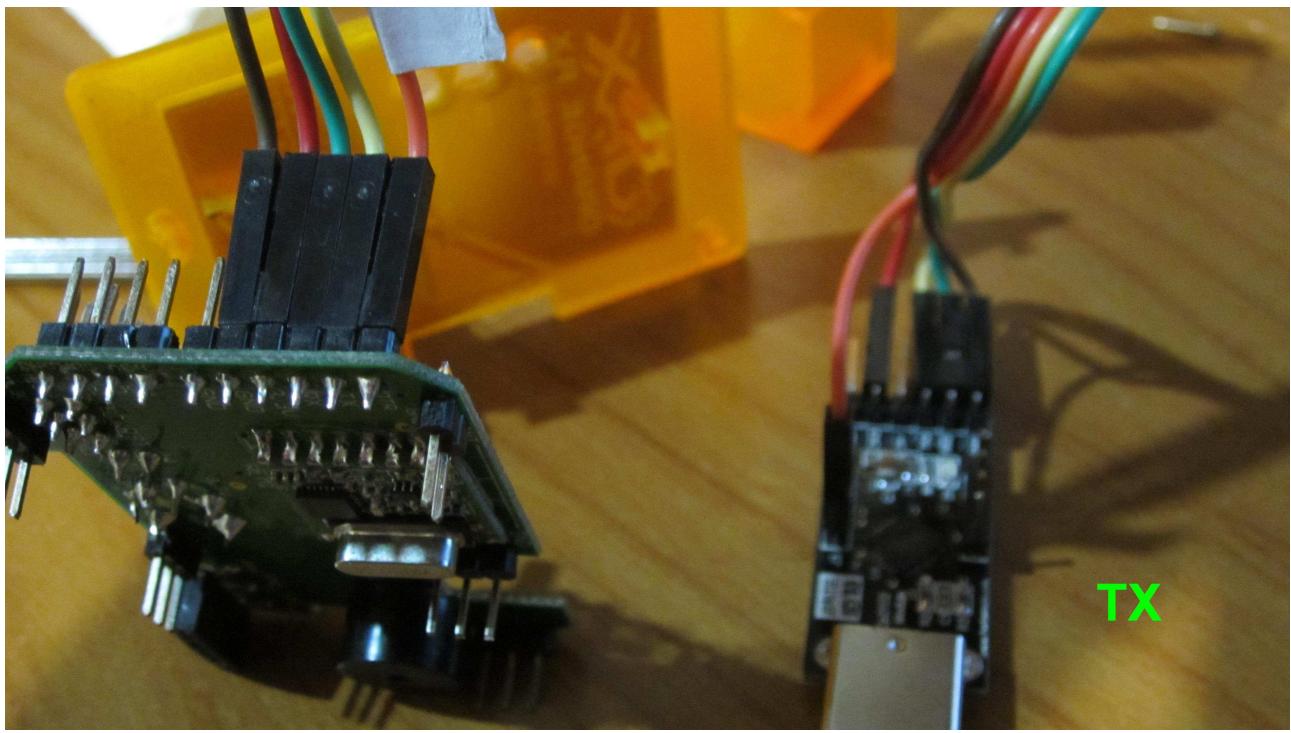


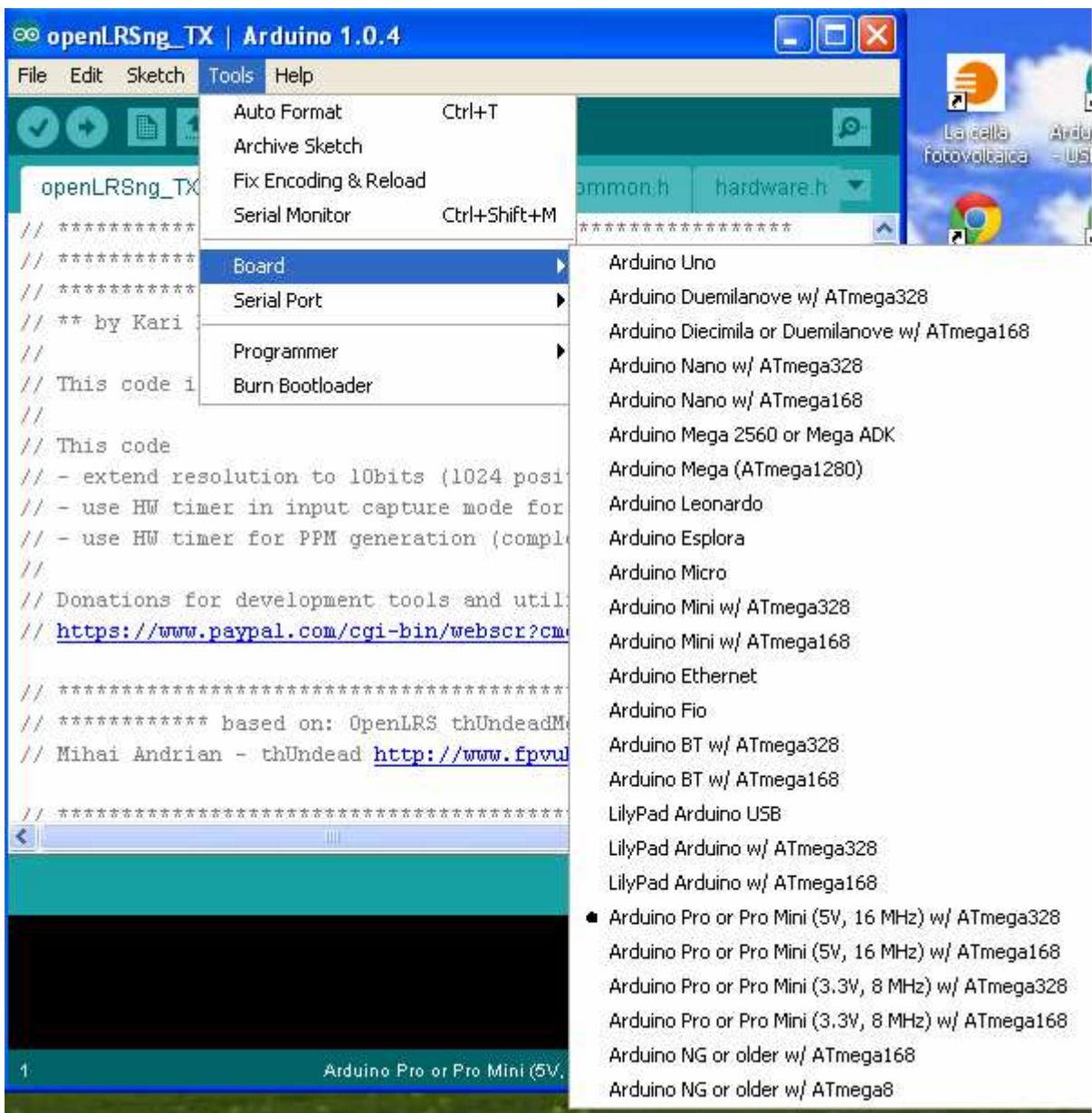
plug the wires on the avr isp programmer as shown see the color and pin name



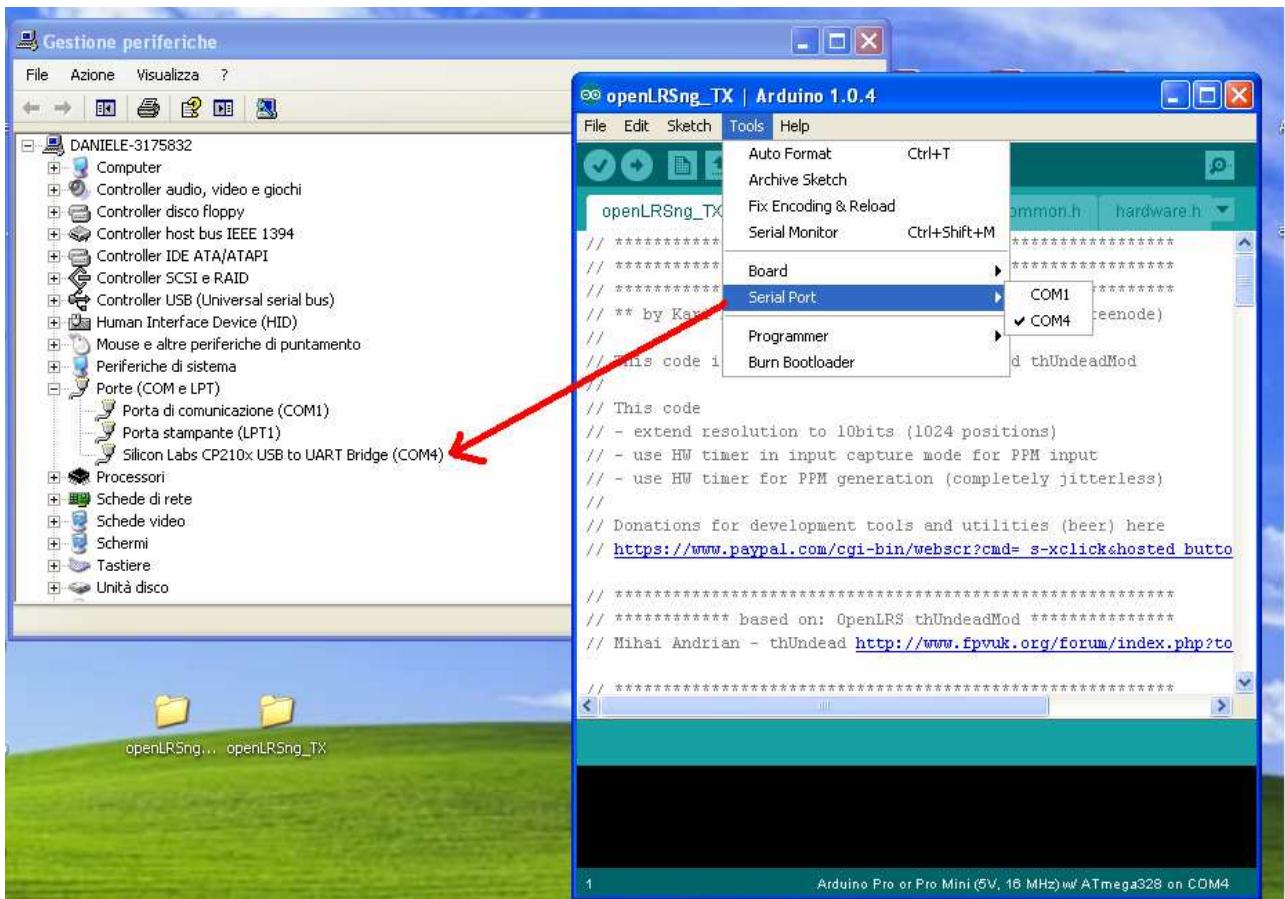


and plug the wires in the rx or tx following the color connection and the pin name

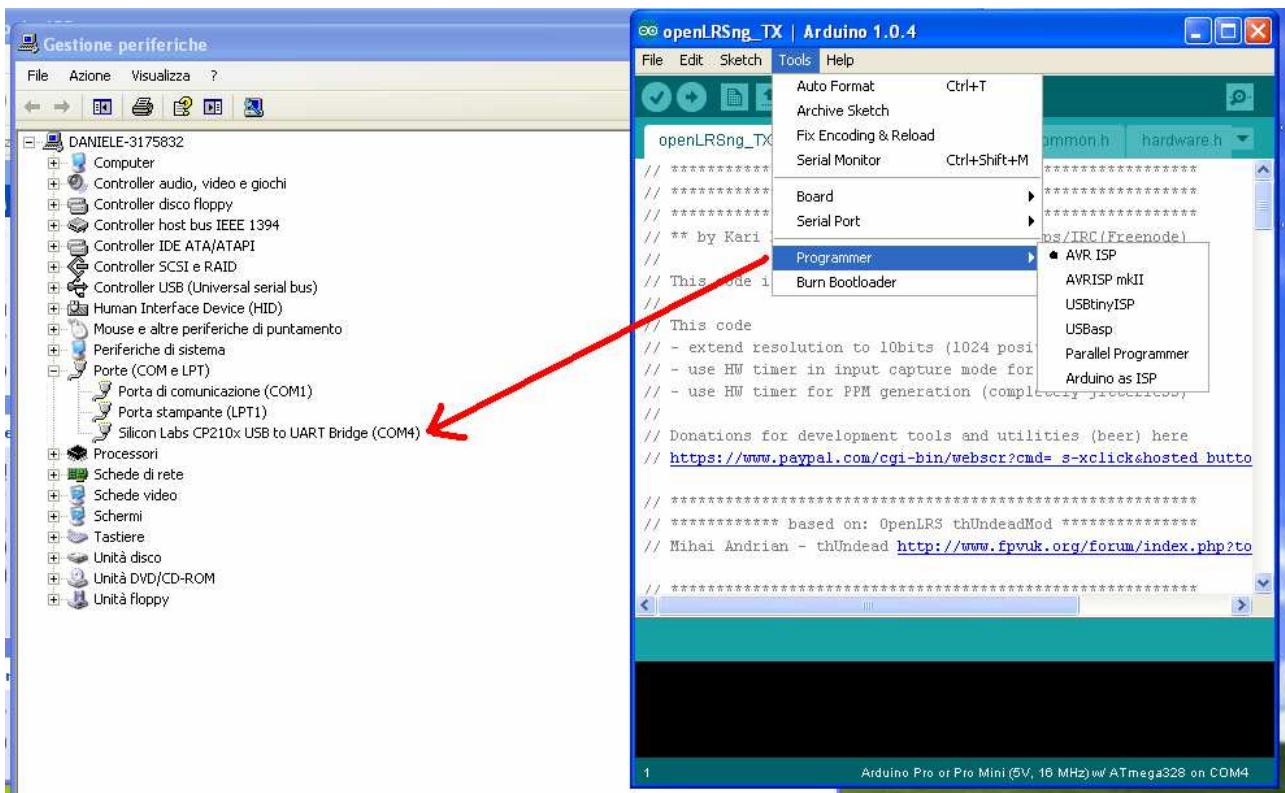




select the board “ but you have already do it the step before “



check the com port of the device



select the device avr isp on the arduino ide
then upload the code



this is my tx with the rc milec ½ wave antenna to increase the range the same antenna on the rx
if you have questions on suggestion please e mail me p66charly@tiscali.it