How to configurate XBee modules and use Waspmote board to realize communications (Suitable for Windows8.1)

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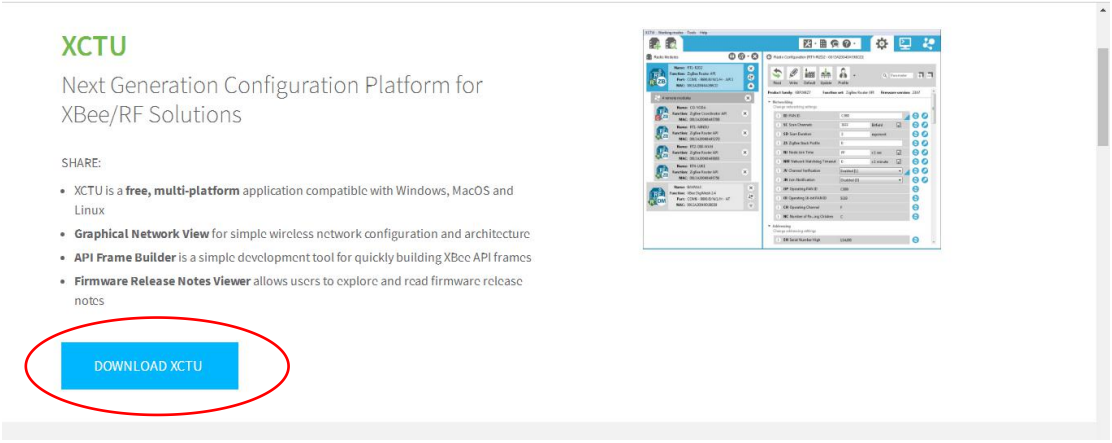
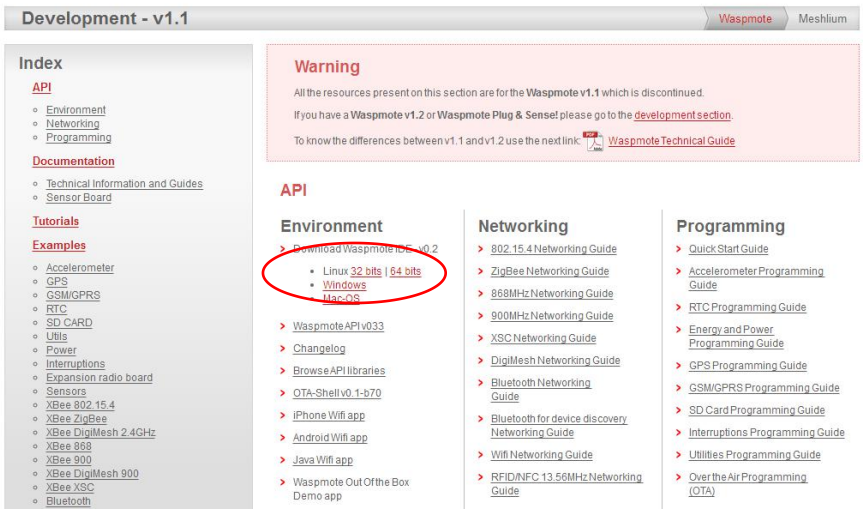
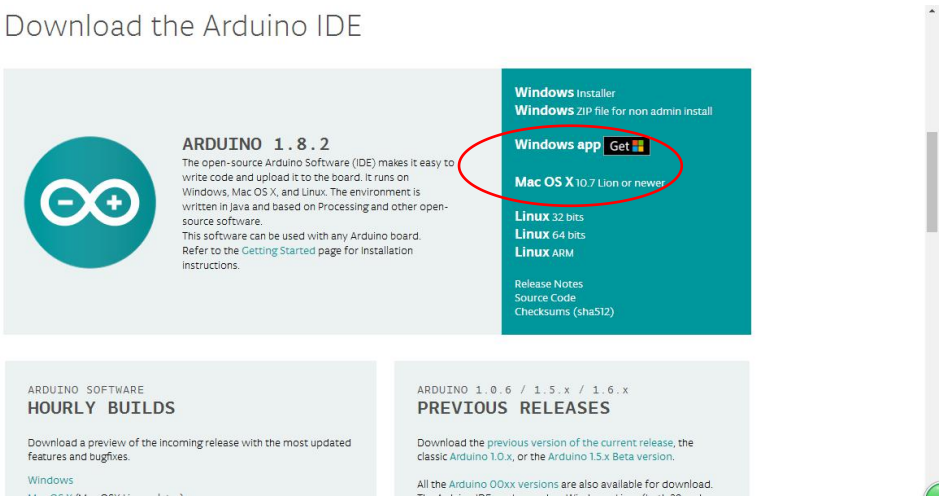
Hardware: Waspmote v1.1 , XBee modules, connection board
Software: XCTU, Waspmote IDE v1.1(option:arduino IDE), Coolterm

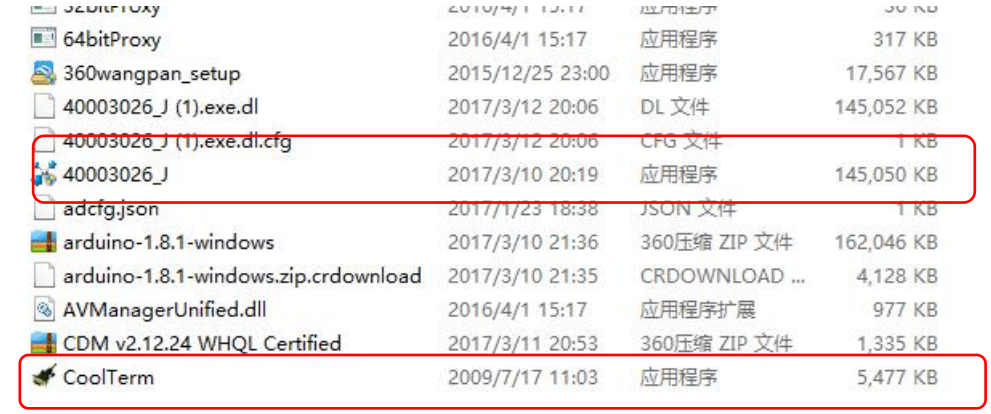
1.Preparation of the software:
Download from Internet：

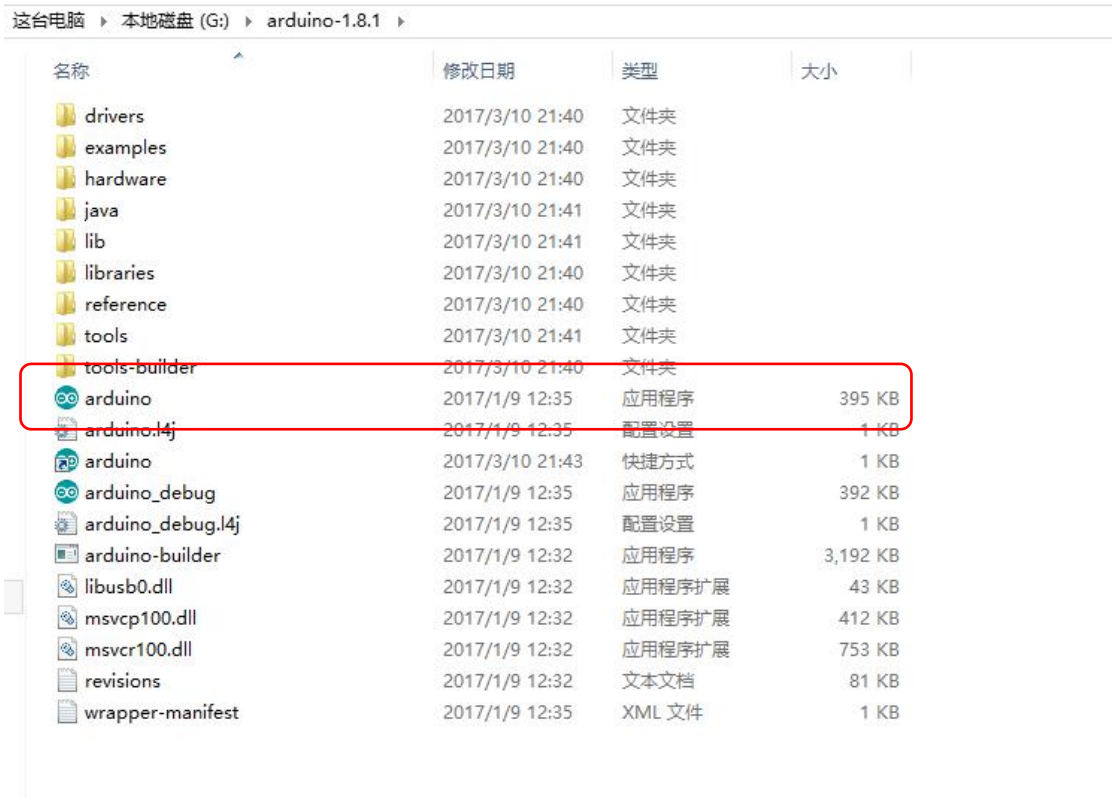


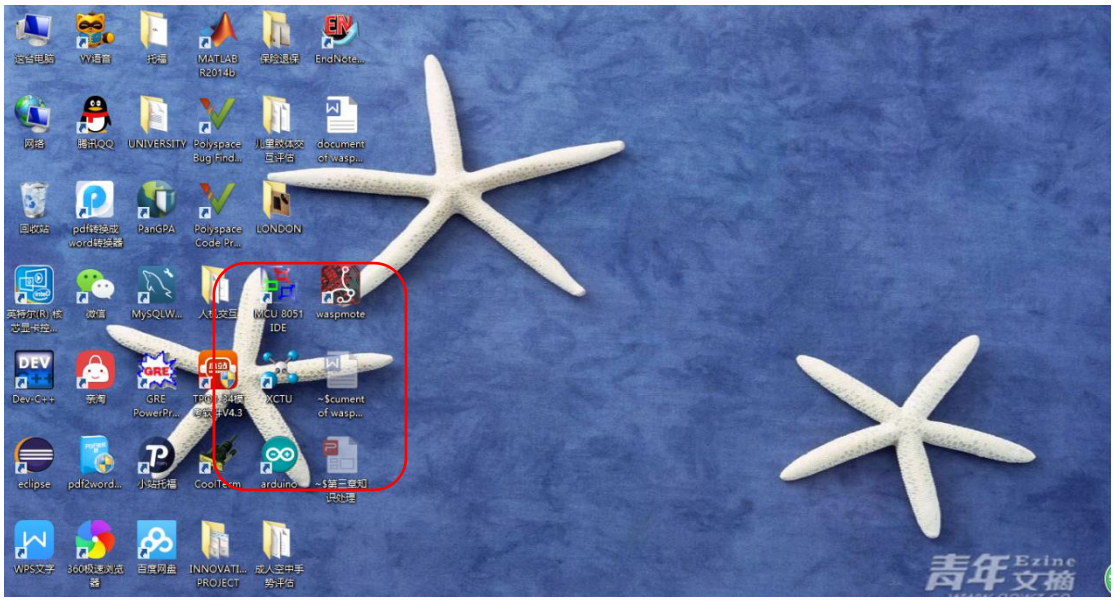




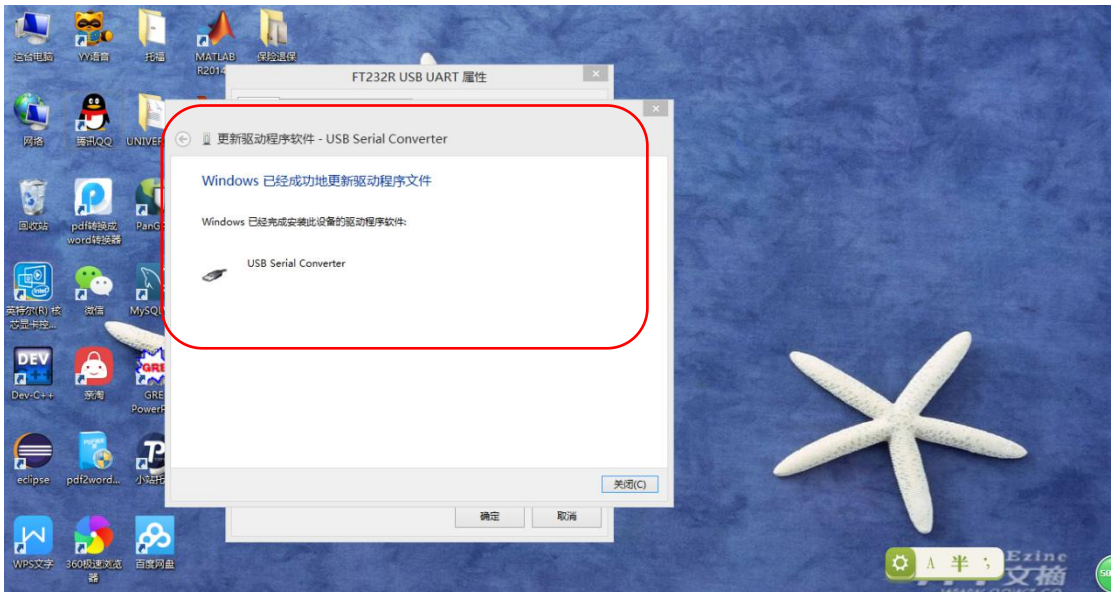
Install on computer:







And check whether Windows has installed the serial driver successfully:(the driver should be included in the waspmote ide)

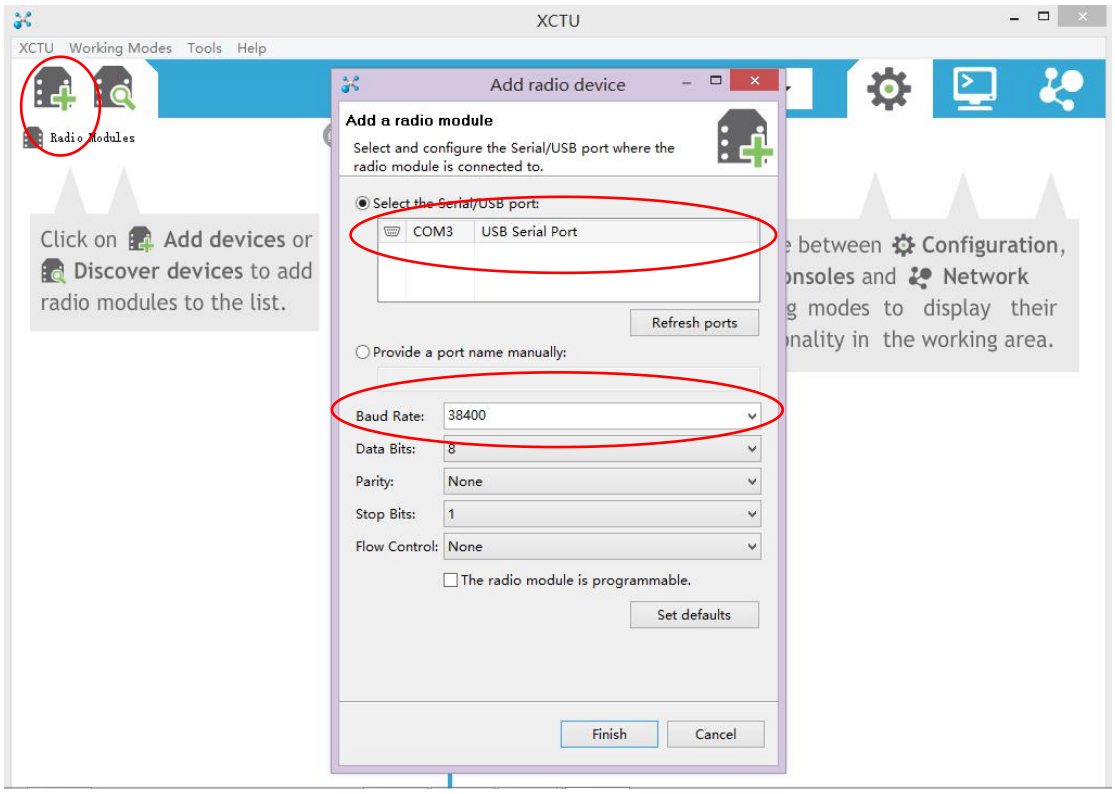


2.Configure the XBee modules:(use XCTU)

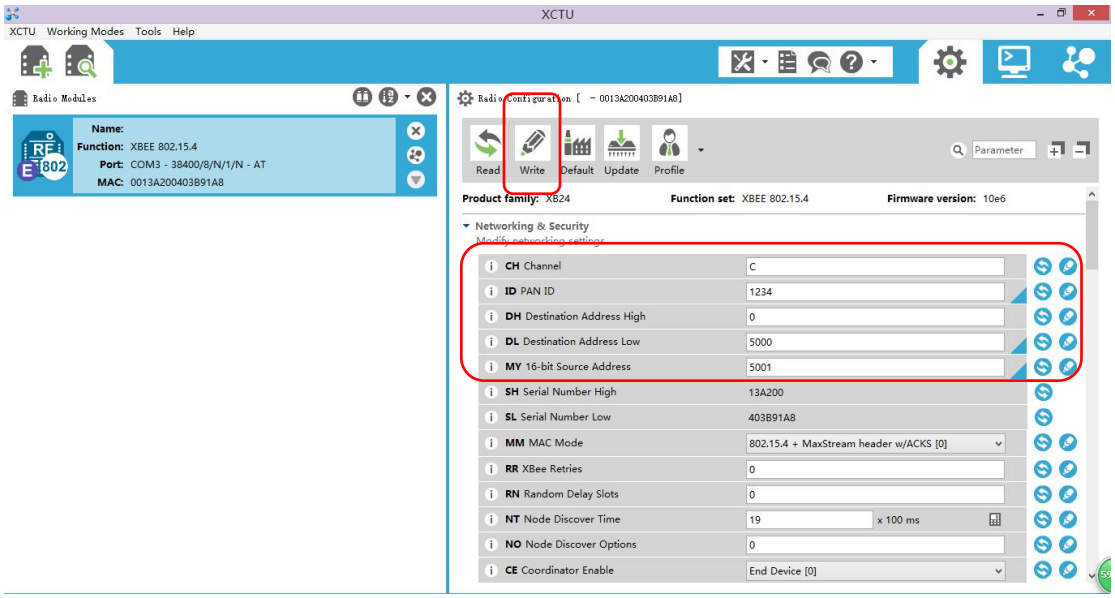
(1)connect the XBee moudule to computer and press the RST button on the connection board:

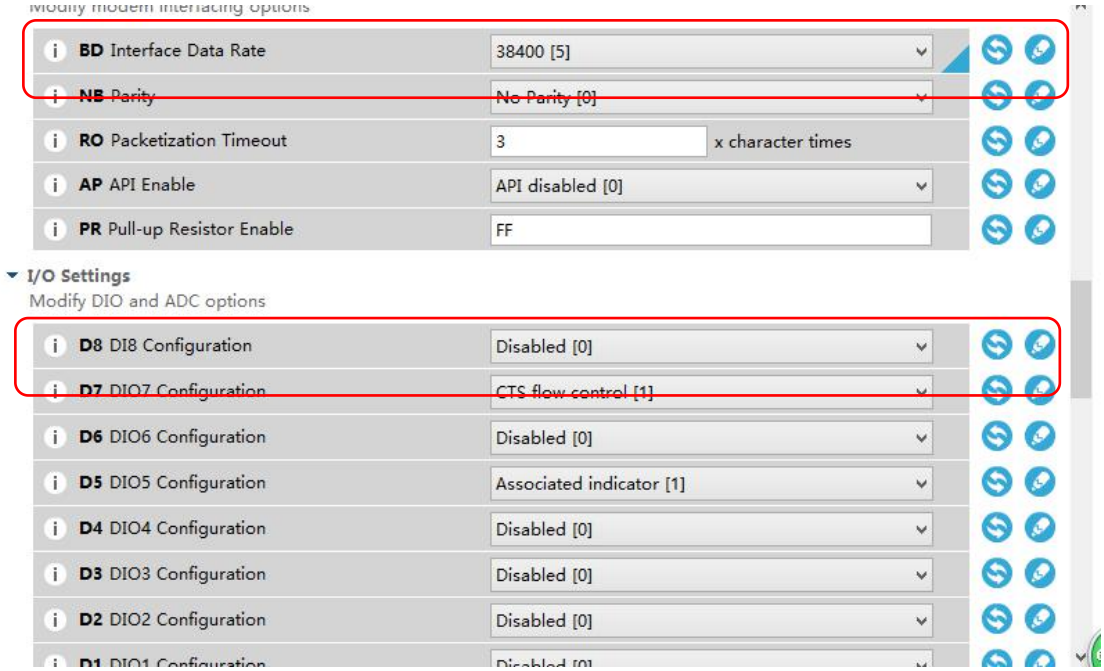
(2)Open XCTU:

Click ‘Radio Modules’ and choose the corresponding port, set the Baud Rate to be 38400.



Enter the configuration interface of the XBee module, confugure the parameters within the red rectangular and then click 'Write' to save the change:

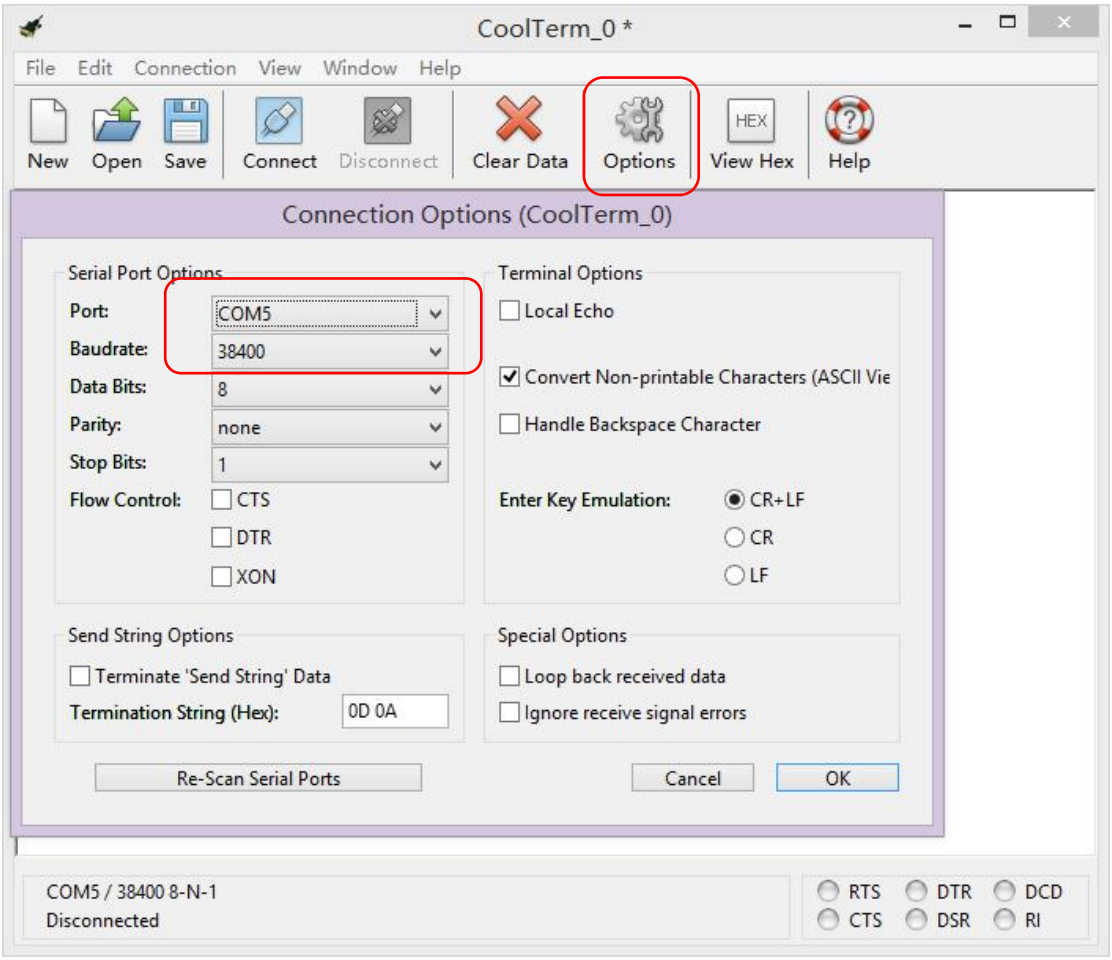




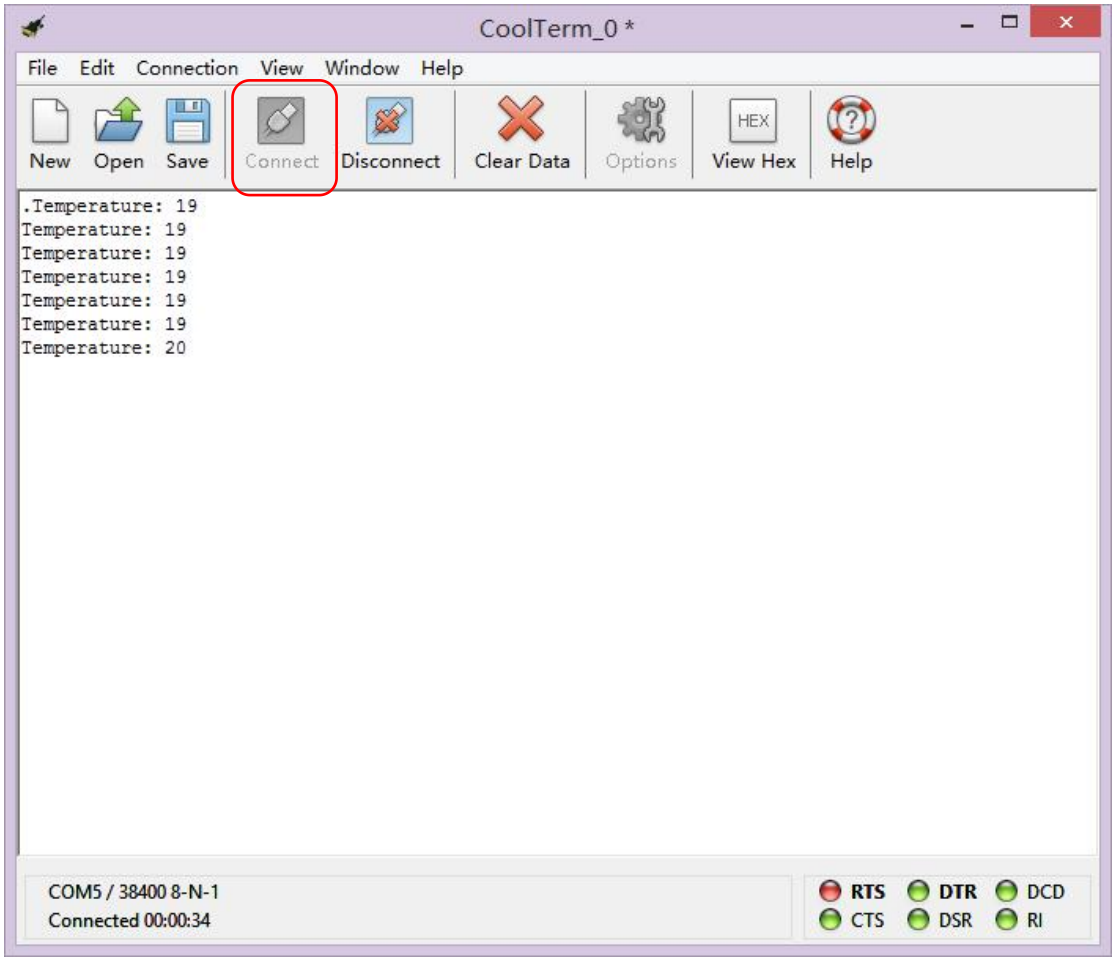
3. Connect the waspmote v1.1 board and communicate with the XBee:

Connect the waspmote board to the computer and toggle the switch as what is shown in the following red rectangular:

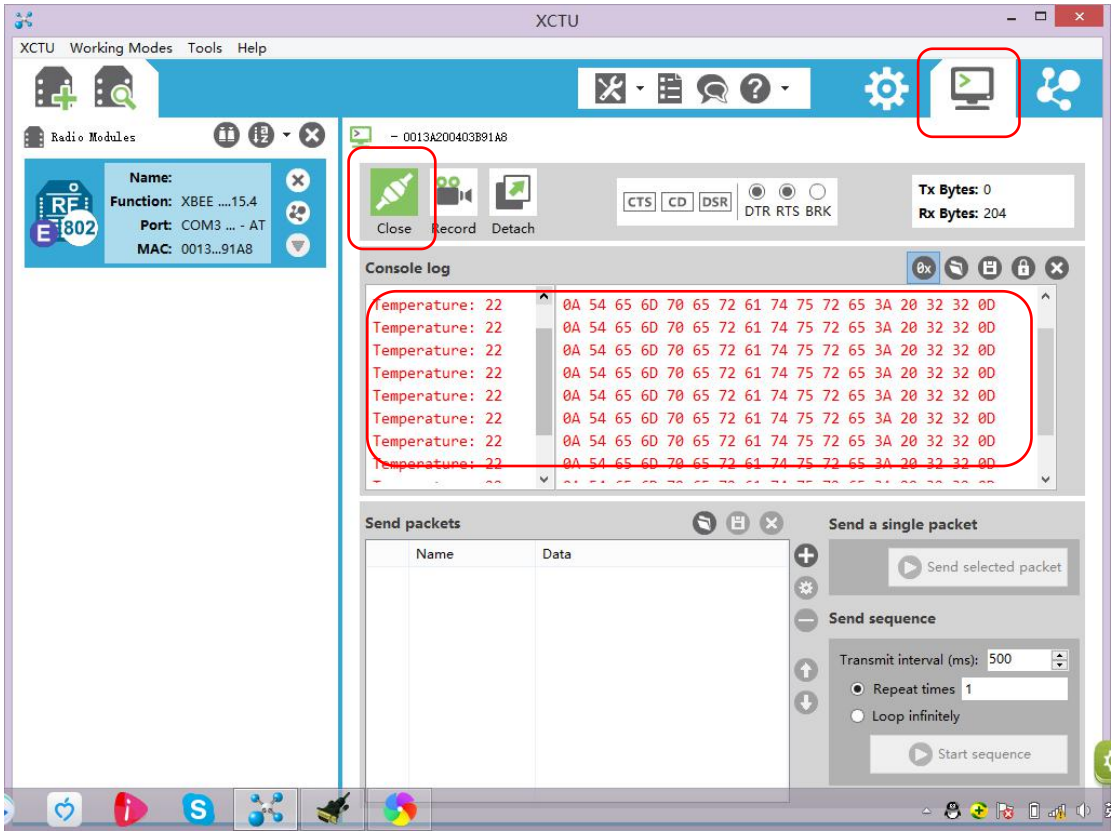
Open Coolterm,select the right port and set baudrate to be 38400:



Connect it and we can see the results of sensing the temperature:



At the same time, select the computer end in the XCTU,select ‘open’ and the same result will be shown in the following area:



Thus, we can know that the program stored in the microcontroller can be used to make the two XBee module communicate with each other.