

# User Manual

There is a XBee device which is a coordinator. XBee device which is marked is a coordinator. To receive data from the end point on coordinator.

1) Install XCTU on your pc.

Link:

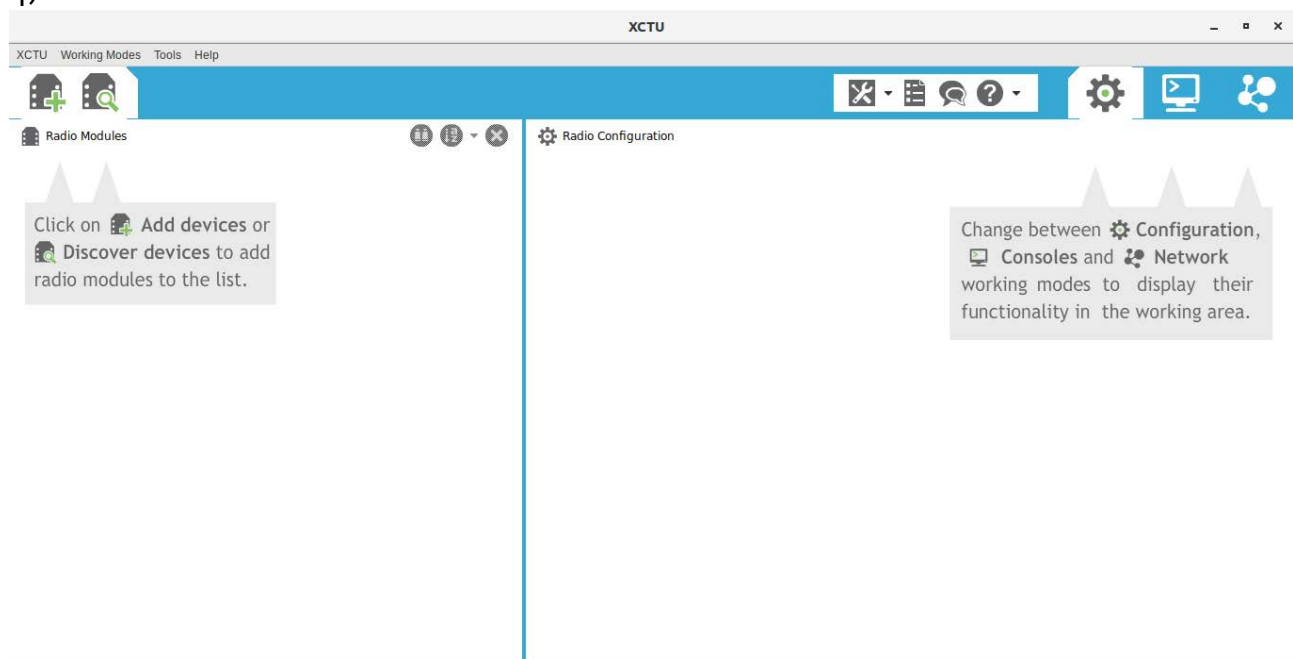
[https://www.digi.com/resources/documentation/digidocs/90001526/tasks/t\\_download\\_and\\_install\\_xctu.htm](https://www.digi.com/resources/documentation/digidocs/90001526/tasks/t_download_and_install_xctu.htm)

2) Connect XBee to the pc with UNO cable.



3) Open XCTU

4) XCTU window - click add devices



5) Select port. Double click

**Add radio device**

**Add a radio module**

Select and configure the Serial/USB port where the radio module is connected to.

☒ Select the Serial/USB port:

☐ Provide a port name manually:

Baud Rate: 115200

Data Bits: 8

Parity: None

Stop Bits: 1

Flow Control: None

☐ The radio module is programmable.

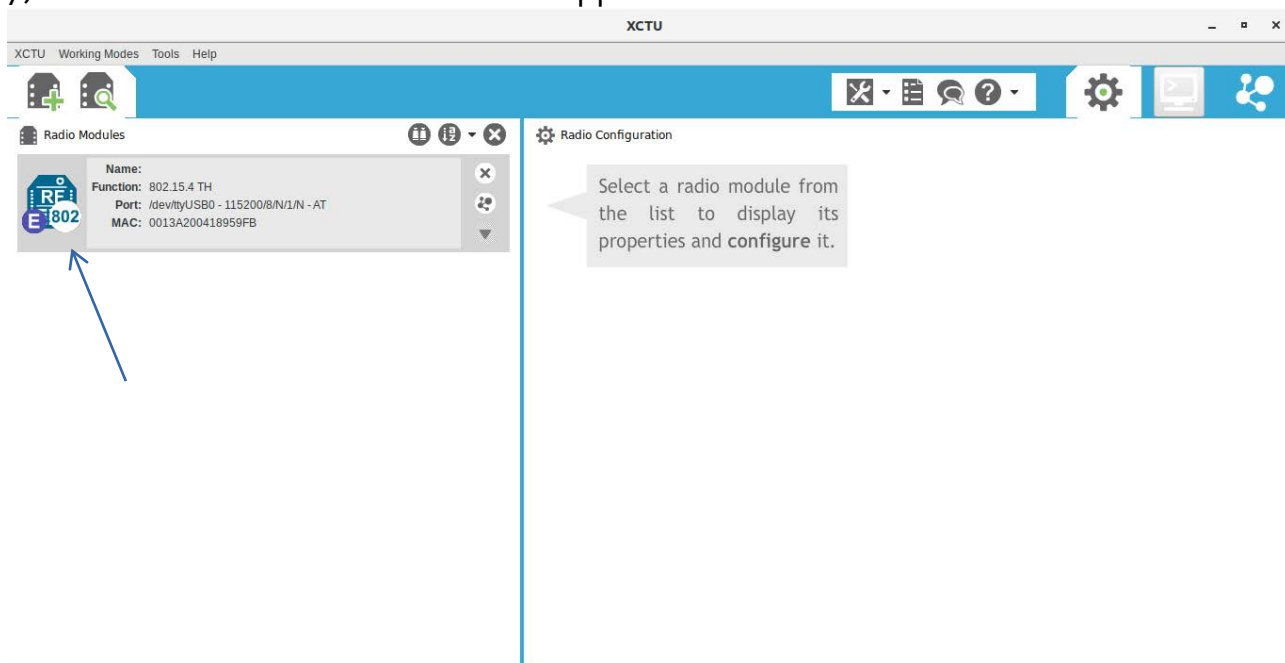
Refresh ports

Set defaults

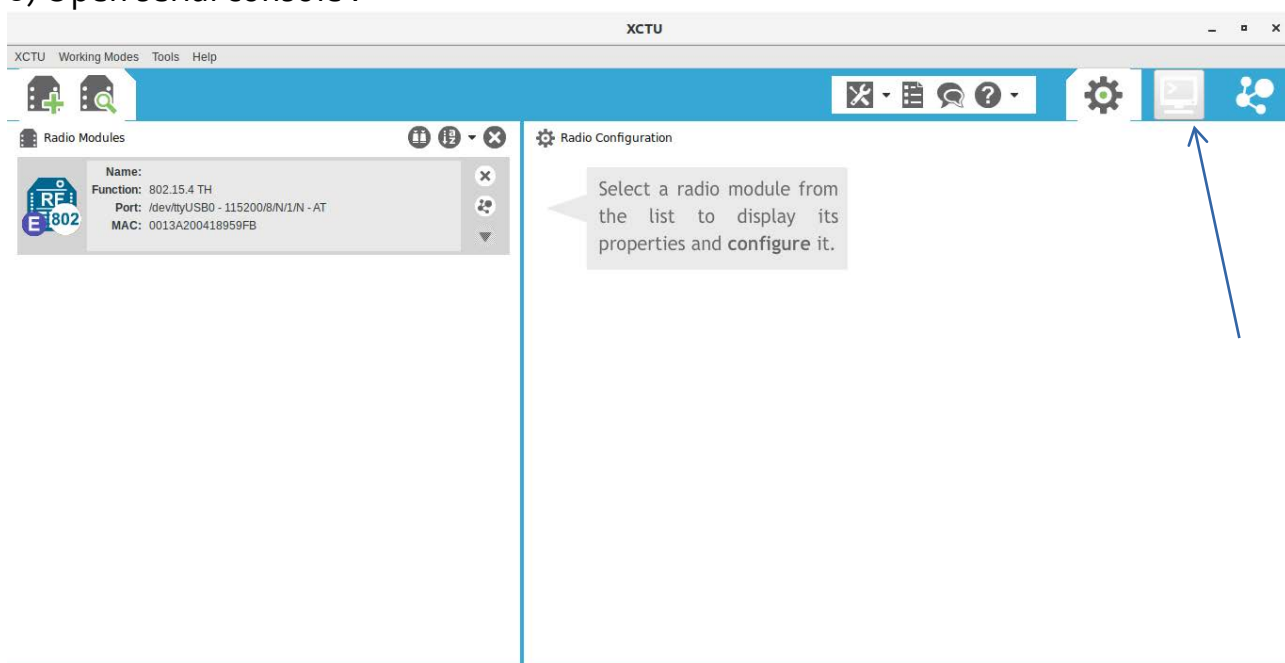
Cancel Finish

6) Click finish.

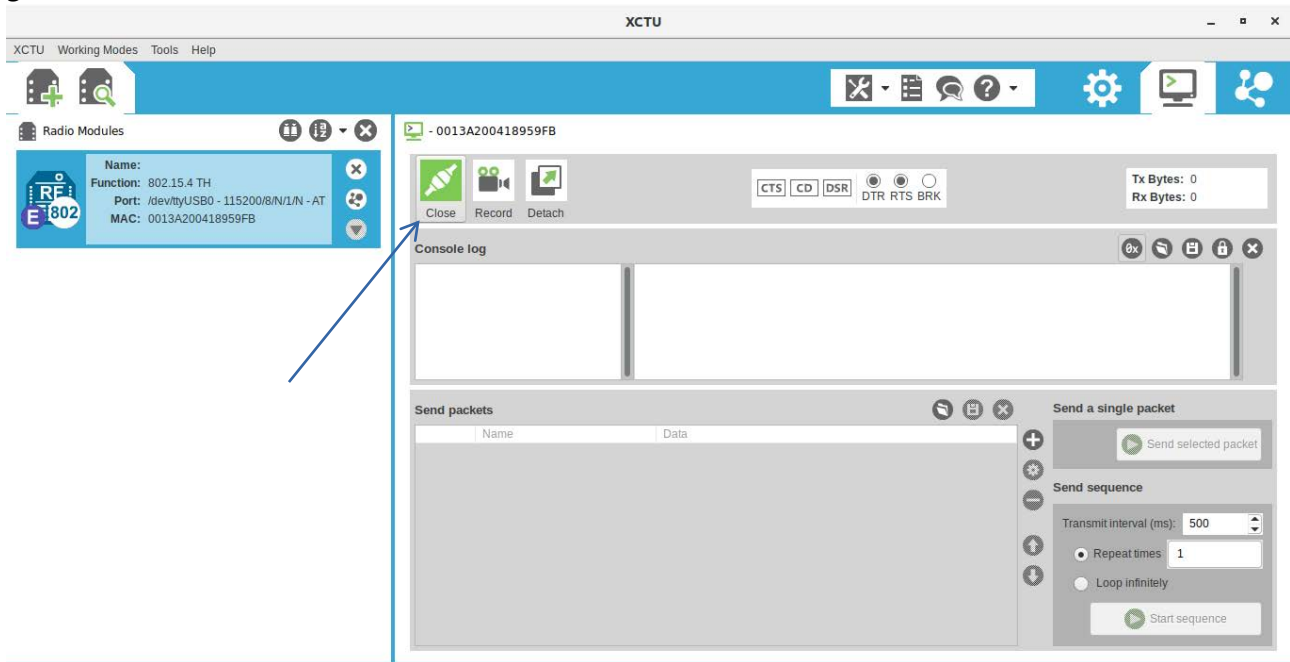
7) A device on the left hand side will appear.



8) Open serial console .



g) Close the connection.

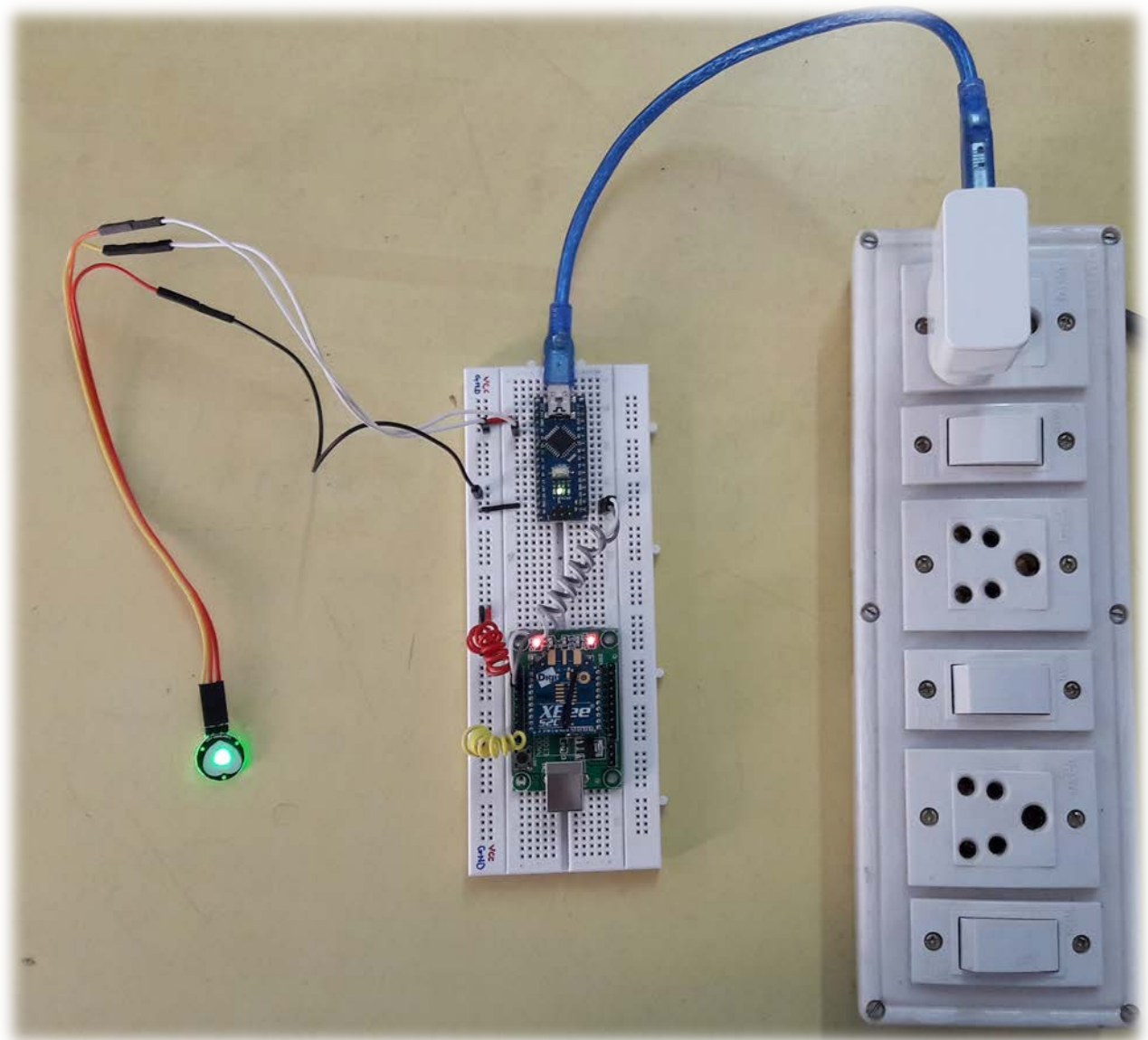


Breadboard: You have a breadboard with a circuit implemented on it. In this circuit, we have an Arduino Nano and XBee s2c end point and a bpm sensor XD-58c. You need to connect Arduino Nano to a charging adapter with a Nano cable which is



also called mini a to b cable given in the box.

The LEDs in the circuit will light up.



It's a simple pulse sensor and that's why it is not always accurate. So when you hold, at first, there might be displaying of dead instead of alive or somewhat same, so have patience and hold it for a while and you'll get the data that you want. Still, when you put finger, there might be the case it'll never detect you as alive despite you are alive! So, for the best results, it's advised to put the sensor on earlobe instead of finger.

