

WEEKLY REPORT

TRANQUILLUM

05/11/2012

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As planned, we contacted with Fatih Gökçe (KOVAN) retrieved XBee devices, arranged a meeting for quickstart tutorial and started testing Zigbee devices.

Manual and Datasheet¹ in the related product webpage doesn't give any details about programming techniques of XBee devices, yet it introduces hardware details and interfacing features. Following few tutorials on the web², we found X-CTU³ as a driver software for XBee XBP24-ZB model end device of ours. Using this driver software –which is only available in Windows environment-, we were able to connect to device via USB port but we failed to read/write any data or communicate between two Zigbee devices. Problems may become clearer as we discuss the details with Fatih Gökçe on Thursday (08.11.2012).

Zeynep Mavuş & Şerafettin Öztürk

As planned, we contacted with Deniz Kaya (ARÇELİK) to set a meeting with the group and we are going to meet at 06.11.2012. Also we tested the trunk accounts.

As planned we are supposed to search about UART Protocol and how to use it in two areas:

UART in Computer and UART in PIC⁴. We have found several documents and tutorials related to these subjects which will help us program them.

¹ <https://www.sparkfun.com/products/8767>

² <https://sites.google.com/site/xbeetutorial/xctu>

<http://www.youtube.com/watch?v=Boy5asltEJw>

³ http://ftp1.digi.com/support/utilities/40003002_B.exe

⁴ <http://www.freebsd.org/doc/en/articles/serial-uart/index.html>