u-nex Quick Start Guide

This document contains information which is useful to quickly get started using the u-nex.

When you receive your u-nex, please get started by following these steps:

STEP 1: INSTALL FTDI DRIVERS (not required for u-nex - lite)

The u-nex has an on-board USB to serial converter called the FTDI chip. When connected to the PC, the chip will enumerate (create) a COM port on your PC. This is the COM port you will use to communicate with the serial port of the u-nex.

The FTDI chip requires drivers for proper operation. You will need to download and install these prior to connecting the u-nex to your computer, optionally your operating system may automatically find the right drivers when you plug the device in for the first time.

You can find the drivers available using the following URL:
http://www.ftdichip.com/Drivers/VCP.htm

Depending on your operating system, you can download the appropriate drivers. Always use the latest version available. Follow the installation procedure (usually double click the application to launch it and follow onscreen instructions). In case it is a compressed file, decompress the same to a folder and keep a note of the folder location and proceed with the following.

STEP 2: PLUG IN THE USB CABLE & TEST THE BOARD

The u-nex is shipped with the arduino bootloader programmed to the chip and it has been tested by programming the LED blink sketch using the arduino IDE. We shall now perform a simple test to ensure the board is functional upon receipt. It is recommended to perform this test as soon as you receive the u-nex.

Note: The u-nex jumper is set appropriately depending on the version you have purchased. The lite version does not have the FTDI chip but can be still powered using the USB mini connector.

Please follow the steps mentioned below.

1. Remove the u-nex from the protective bag.
2. Gently connect a USB mini cable to the USB socket present on the board.
3. Connect the other end of the USB cable to a computer.
4. The u-nex will power up, this is indicated by the RED LED powering up.
5. Keep a note of the LD LED, it will initially blink fast on account of the arduino bootloader, after which it will blink at a steady rate - flashing on/off at an interval of 1second.
6. If the LED blinks as expected, the u-nex works as expected. It is recommended to disconnect the USB cable, keep the u-nex aside and continue reading the user guide before proceeding further.