Preparation Work for Tutorial 3

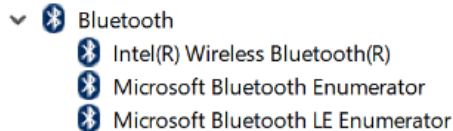Author: Peter (hntse@connect.ust.hk), Ryusuke (rsugimoto@connect.ust.hk)

Please read this guideline thoroughly and finish the preparation work accordingly before Tutorial 3.

1. Bluetooth Driver
   Since in Tutorial 3 we will be using Bluetooth modules, in case of any difficulties that you may encounter, please make sure your laptop has a working and up-to-date Bluetooth driver. Here is a quick guide.
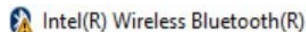
   a. Native Windows
      i. Head to 'Device Manager'
      ii. Check if there is a 'Bluetooth' section.

      If not, you may try to look for them in 'Bluetooth Radios', 'Network Adapters' or 'Other Devices'. If you still could not find them, your laptop might not have support to Bluetooth.
      iii. Check if there is any yellow exclamation mark on any of the Bluetooth drivers.

      Follow the steps below if it is found.
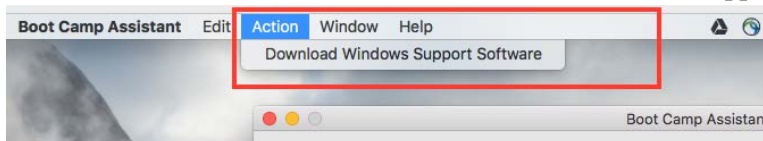   1. Right click on the device and click 'Update driver'.
      2. Press 'Search automatically for updated driver software' and see if Windows can update it for you.
      3. If it fails, check if you have any Windows updates related to it, and update them accordingly.
      4. If it still fails, you may try search for the drive updates online. For the laptops with Intel Wireless Bluetooth technology, you might also get your driver updates at https://www.intel.com/content/www/us/en/support/intel-driver-support-assistant.html.

      If your laptop does not support Bluetooth, or the drive cannot be updated, please contact Peter. In your email, please state your laptop model and the solutions that you have tried.

   b. Mac Boot Camp Windows
      You should have installed the drivers when you set up Boot Camp. If you are not sure, please follow these steps.

      1. If you are on Windows now, reboot your computer and go to Mac OS.
      2. In Launchpad, open Other > Boot Camp Assistant.
      3. From the menu bar, choose Action > Download Windows Support Software, and download the file.

      4. Move the file to a USB memory, which should be Windows compatible (e.g. FAT32, ExFAT).
      5. Reboot to Windows, and open the USB drive > WindowsSupport > BootCamp > Setup.exe.
      6. Install the drivers following the instruction on the display.

      Contact Ryusuke if you encounter further issues.

2. Serial Communication Software

   In Tutorial 3 and onwards we also need a serial communication software (for transmitting data to Bluetooth module). We suggest using Coolterm (http://freeware.the-meiers.org/CoolTermWin.zip), but you can use any other software such as Putty, TeraTerm or SSCOM. Note that, however, we will only provide official support for Coolterm. Please download it before Tutorial 3.

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