

## **Summary**

Enlight for PCs will only work with Bluetooth devices that utilise the Microsoft Bluetooth drivers. Many computers that have integrated Bluetooth radios use proprietary drivers which prevent Enlight's Bluetooth communication from functioning correctly.

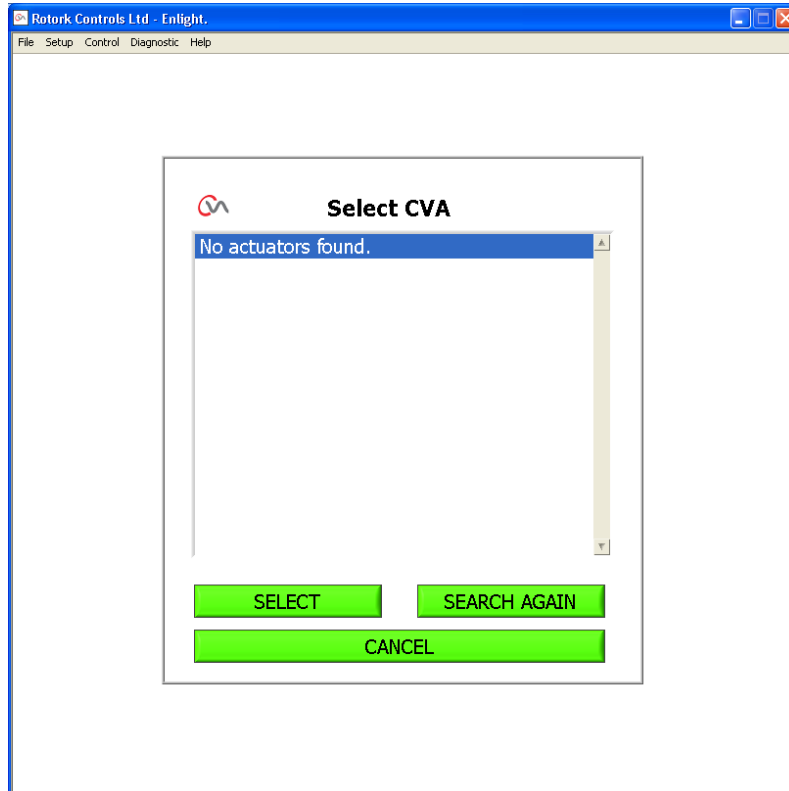
## **Contents**

**1.0 – Determine Current Bluetooth Drivers**

**2.0 – Install an Alternative Bluetooth Radio**

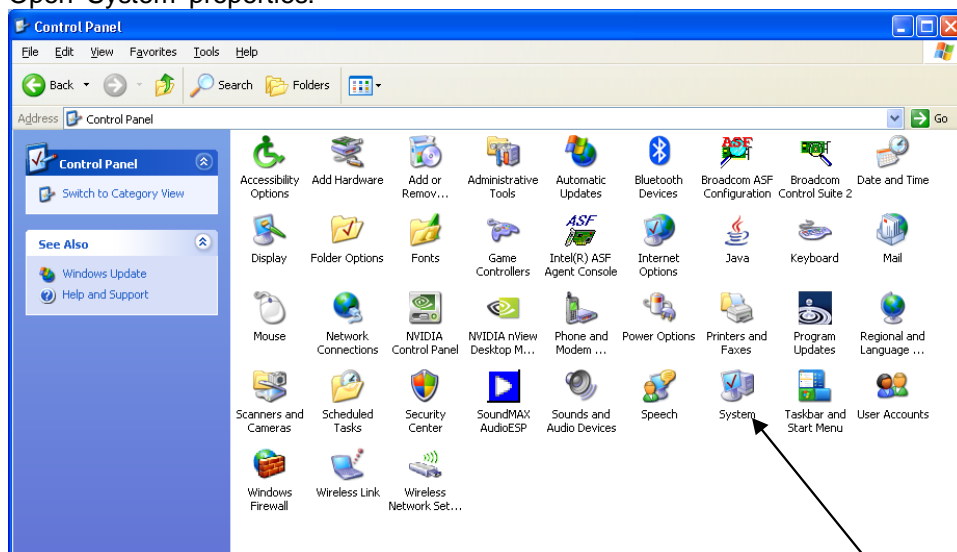
### 1.0 – Determine Current Bluetooth Drivers

If, when searching for actuators Enlight immediately indicates 'No actuators found' (see image below), then it is highly likely that your PC's Bluetooth radio is not using the Microsoft Bluetooth Drivers. Enlight will work only with Bluetooth Radios that are utilising the Microsoft Drivers.



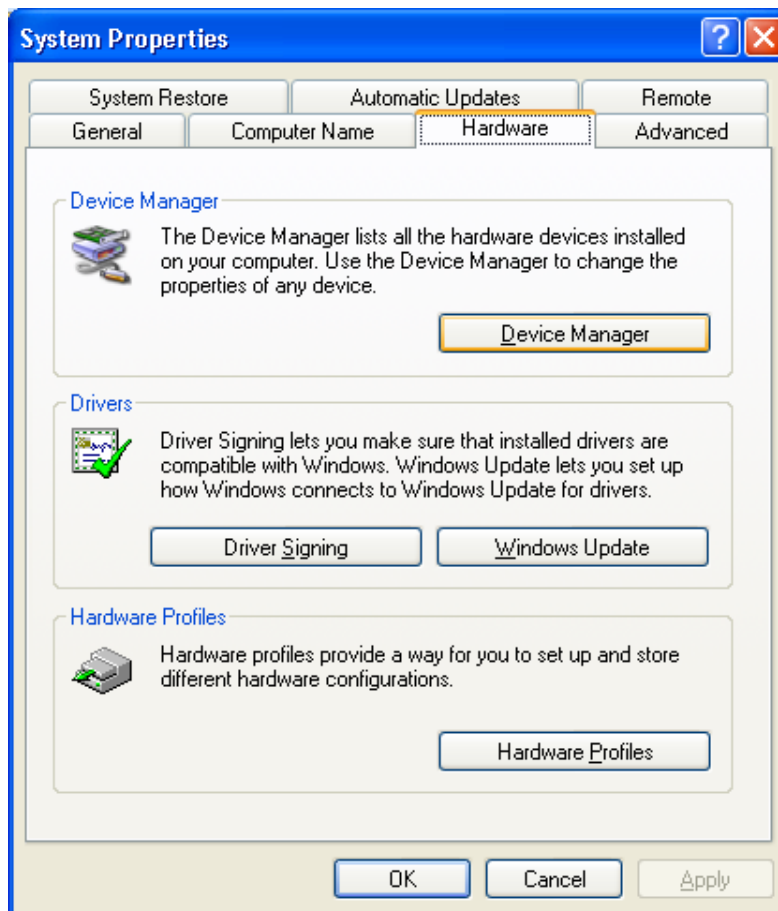
To confirm if your device is using the Microsoft drivers, follow the steps below:

- 1.1 Open the control panel (Start – Control Panel)
- 1.2 Open 'System' properties:

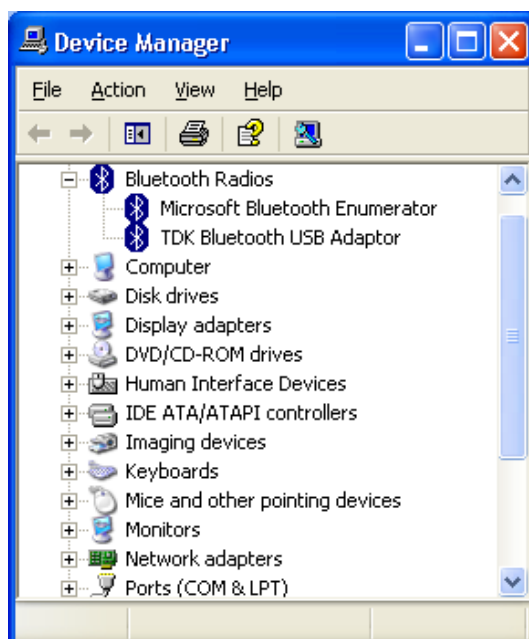


Select System

- 1.3 Select the Hardware tab and then click Device Manager:



- 1.4 If your PC is using the correct drivers, an entry should be visible for 'Bluetooth Radios'. Expand this entry and there should be device titled 'Microsoft Bluetooth Enumerator'.



If by following the procedure above you determine that your PC is not running the correct Bluetooth device, you will need to purchase a compatible USB Bluetooth Dongle (refer to Section 2.0).

Below is a list of USB Dongles that will work with Enlight:

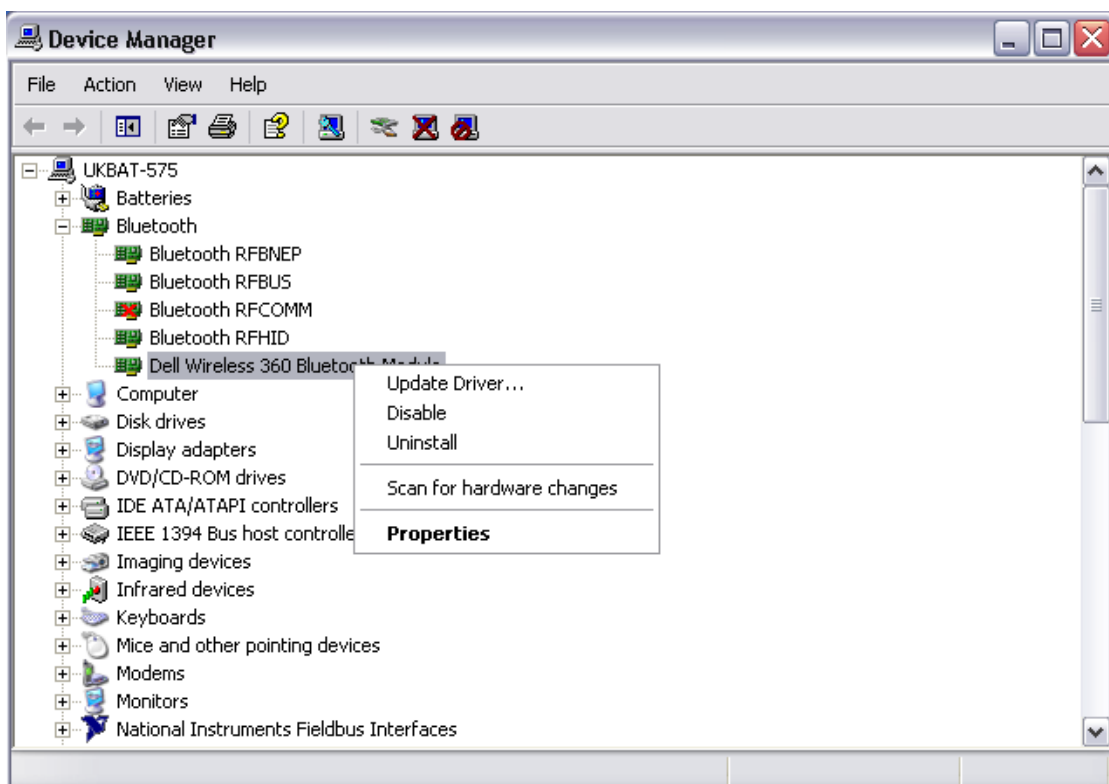
**Note – Do not install any of the software that comes with these devices, simply plug them into the USB port and allow Windows to configure them.**

Manufacturer	Model	Supplier
Abe/Lego NXT	UB22S/Mindstorms BT Dongle	lego.com or rapidonline.com
Laird Technologies	BRBLU03-101A0-02	farnell.com

## 2.0 – Install an Alternative Bluetooth Radio

### Installation Procedure

- 3.1 The existing Bluetooth device must be disabled. If the device is an external USB type then simply remove it. If it is a built in device then it must be disabled within the Device Manager. Open the Device Manager following steps 1-4 in Section 1.0 (above).
- 3.2 Expand the Bluetooth entry and disable any devices listed within this category (right click each device and choose 'Disable'). Note, the entries will vary depending on the manufacturer, the image below is a guide only. Reboot the computer if prompted to do so.



- 3.3 Once the devices have been disabled and the computer rebooted (if required), the new USB dongle can be inserted. It should install itself without any user interaction. Verify that the device is using the correct driver as detailed in steps 1-4 in Section 1.0 (above).
- 3.4 Run Enlight, if no actuators are found during the first scan, simply press the 'Search Again' button. During normal operation Enlight will search for approximately 20 seconds before returning the actuators detected.