

How to Change COM Port Settings

Introduction

Some of Prizmatix's devices include a microcontroller enabling advanced performance and, in some cases, control via a computer running Microsoft Windows®. The software sends commands to the device via serial COM Port, while the physical connection is established by a USB cable connecting the device to the PC.

When the USB cable is connected to the PC for the first time, the Windows Operating System performs an automatic configuration of the device by installing drivers. In some cases this default initial configuration needs to be changed. This Application Note provides instruction how to change the current COM Port settings:

- Change of Device Name
- Change of Device COM Port Number

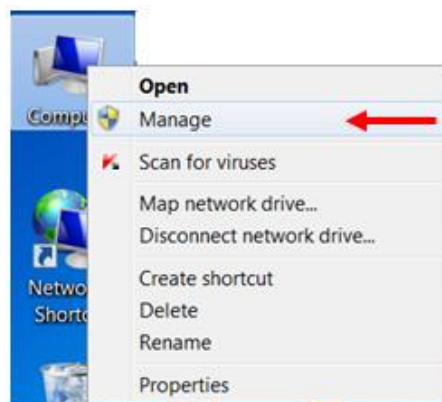
Change of Device Name

As an example we will rename device "Arduino UNO R3" to "Prizmatix DRV".

Click on the Start Menu, and open up the Control Panel.

While in the Control Panel, navigate to System and Security. Next, click on System. Once the System window is up, open the Device Manager.

An alternative way to get to Device Manager is to right click by the mouse on My Computer icon on the desktop and choose Manage from the list.



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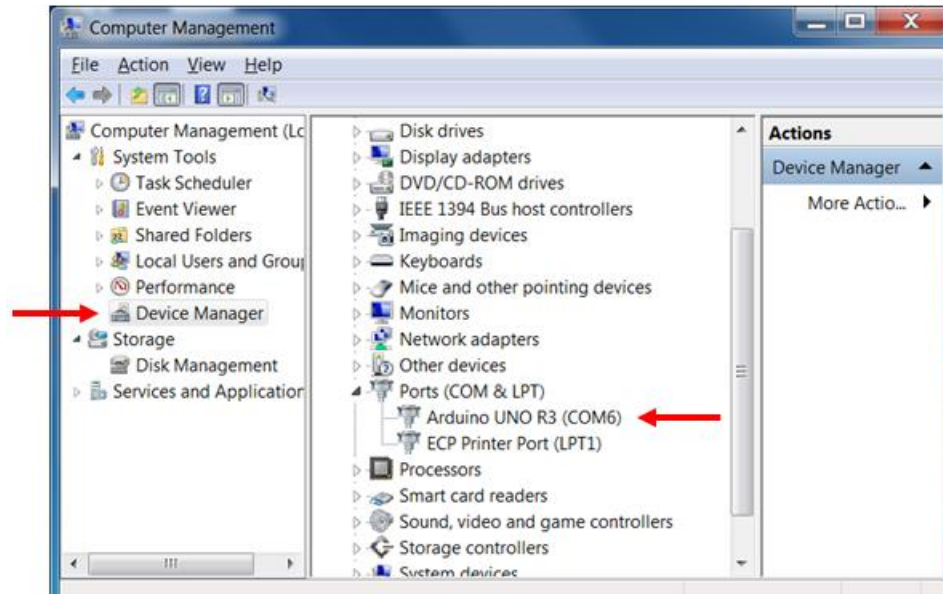
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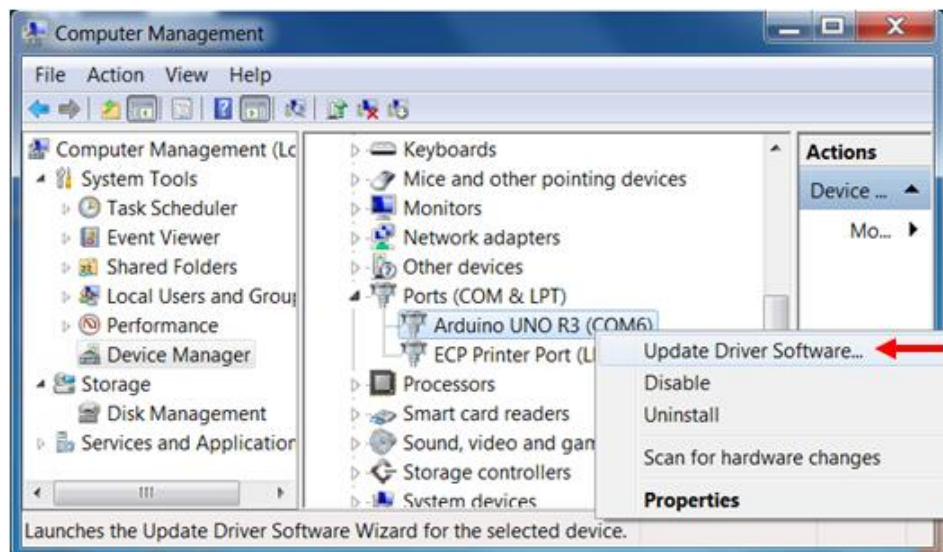
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Select Device Manager on the left panel and select the device to be changed (Arduino UNO R3 in this example) in the list of the right panel.



Right click on the device and choose the **Update Driver Software...** option.



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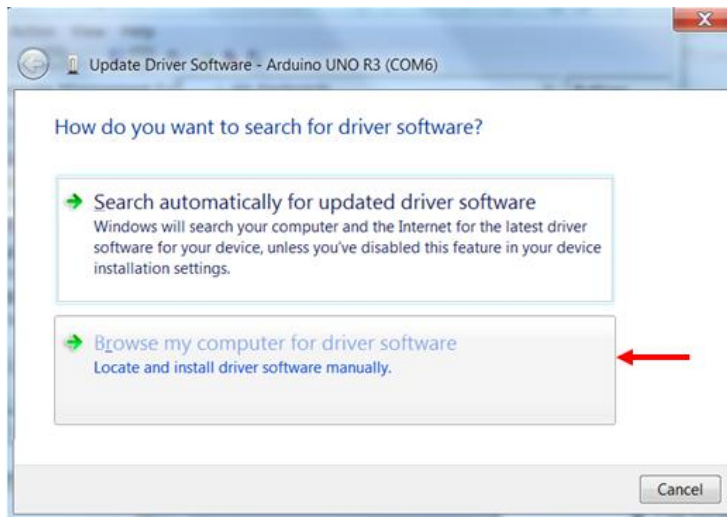
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The **Update Driver** dialog window will appear. Choose the 2nd option: **Browse my computer for driver software** for driver software



On the next screen select: **Let me pick form a list of device drivers on my computer**



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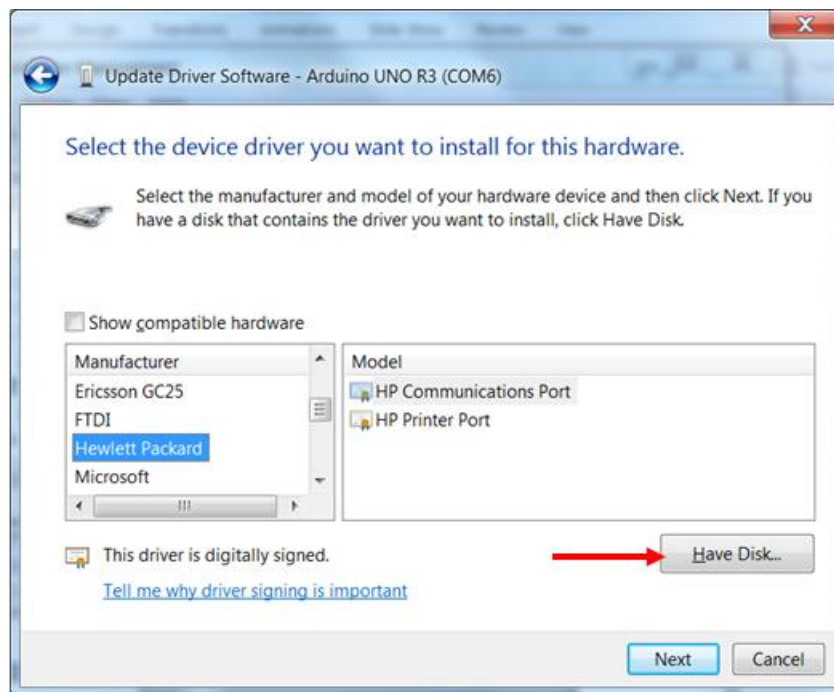
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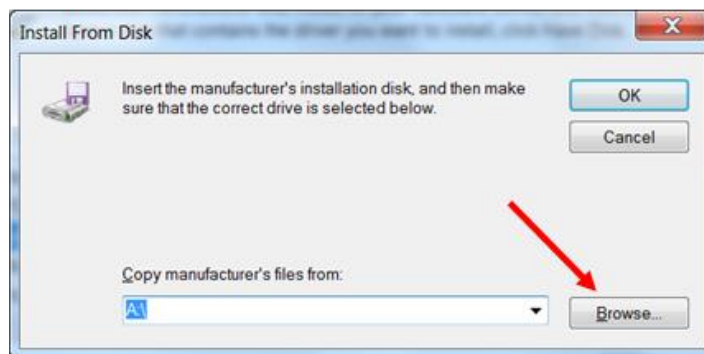
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Click on **Have Disk** button



Click on **Browse...** button



Navigate to the specific driver INF file. For example for the Prizmatix Pulser in most cases the driver will be located at:

```
C:\Program Files\PrizmatixPulser\Drivers\Prizmatix DRV.inf
```

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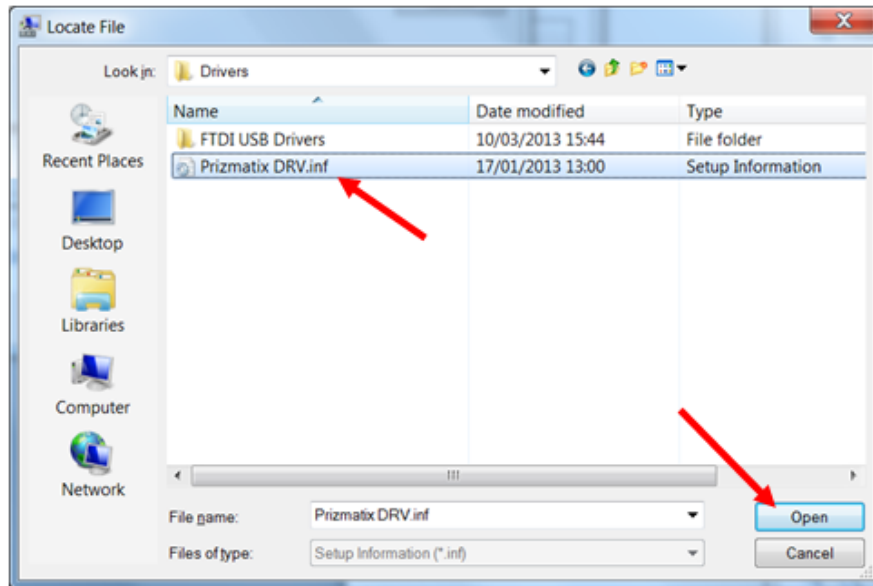
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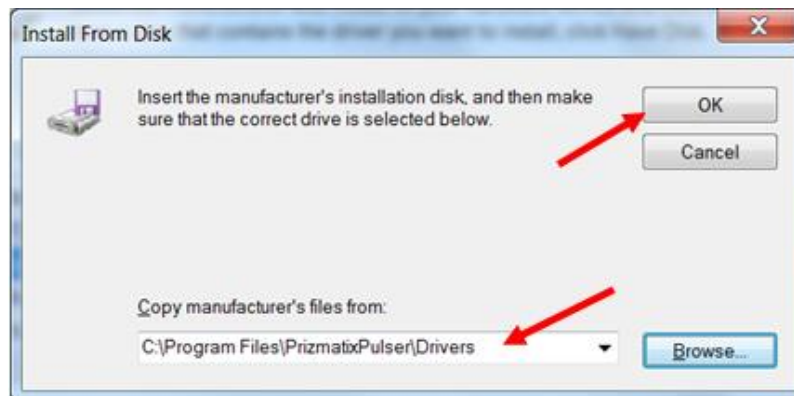
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Select the driver INF file and click on **Open**



The following dialog will appear. Click **OK** to proceed.



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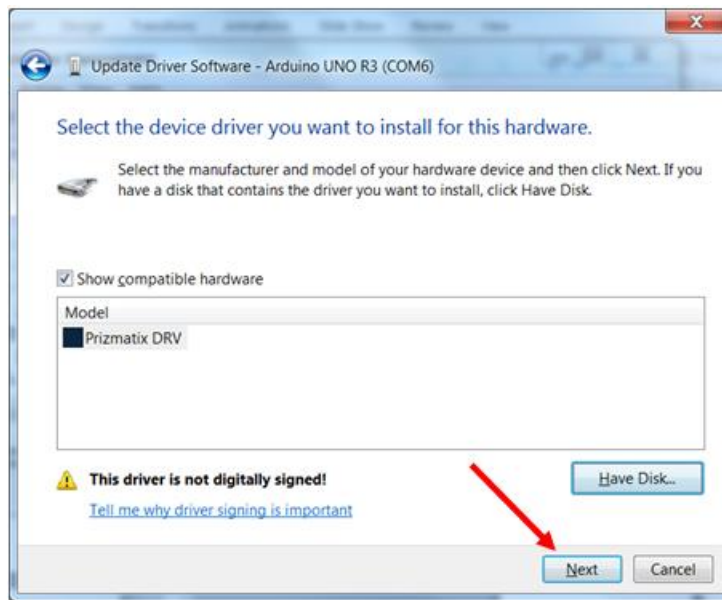
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The following dialog will appear. Click on **Next** button.



A new window will appear, immediately followed by a further window related to **Windows Security**. Click on **Install this driver software anyway**



The **Windows Security** window will be closed and the installation will continue. This may take few minutes. **Do not close** the window until the completion window will appear:

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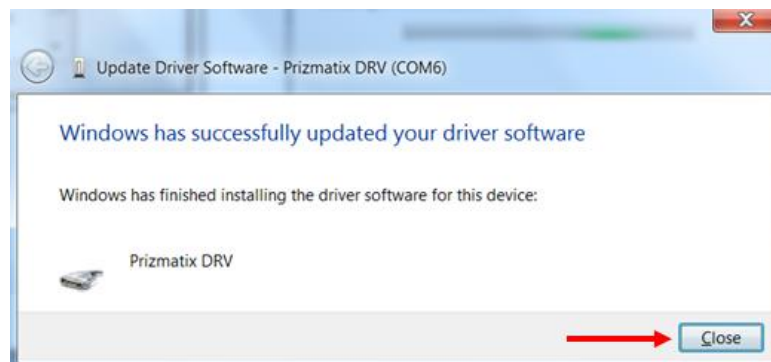
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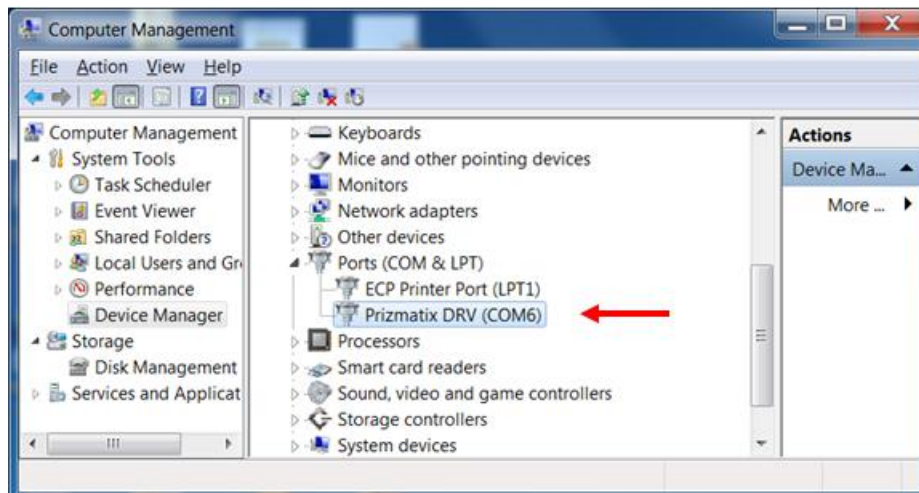
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Click on Close, the new device name will appear now at Device Manager.



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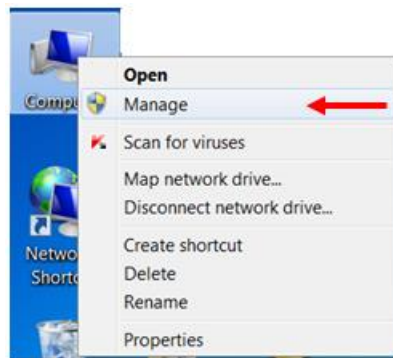
Change of Device COM Port

As an example we will change the Prizmatix DRV (COM6) to Prizmatix DRV (COM2).

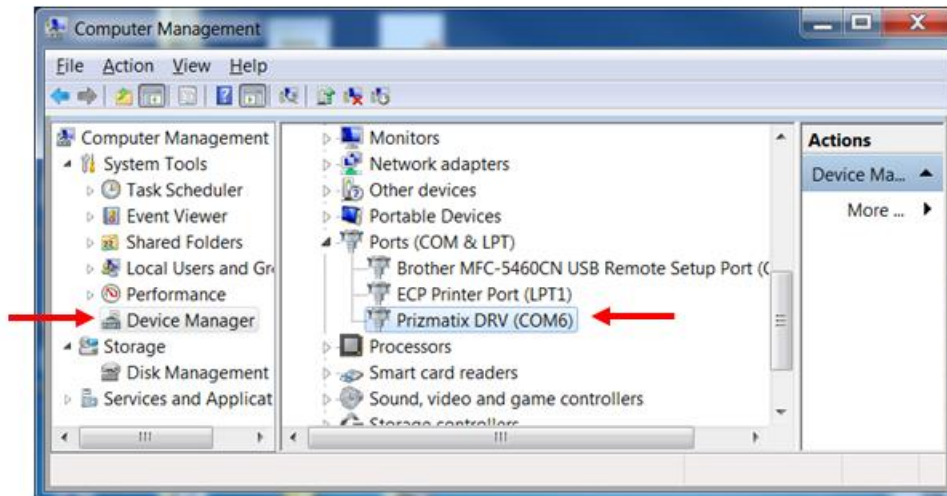
Click on the **Start Menu**, and open up the **Control Panel**

While in the **Control Panel**, navigate to **System and Security**. Next, click on **System**. Once the **System** window is open, click on the **Device Manager**.

An alternative way to get to **Device Manager** is to right click on the mouse button on the **My Computer** icon on the desktop and choose **Manage** from the list.



Select **Device Manager** on the left panel and choose the device which COM Port number to be changed (Prizmatix DRV (COM6) in this example) in the list of the right panel.



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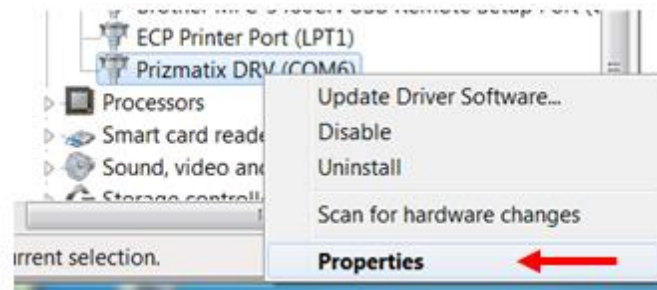
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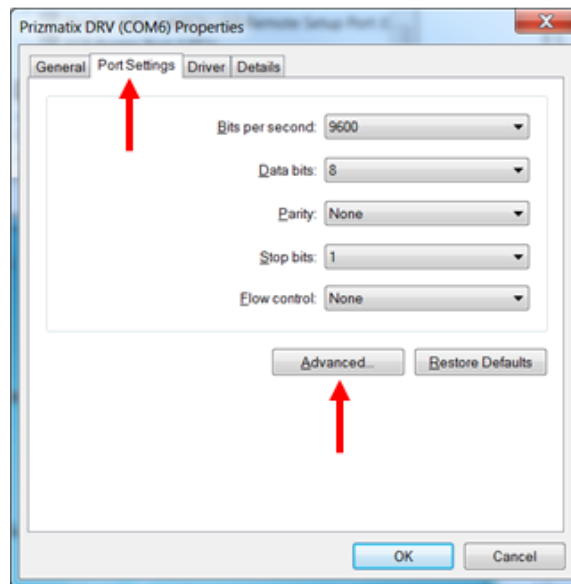
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Right click the device name in the Device List and select **Properties**



The **Properties** dialog will appear. Select **Port Settings** tab and click on the **Advanced...** button.



Note: In most cases there is no need to change Port Setting such as Bits per Second, Data Bits, Parity..., since these settings are set by the control software itself.

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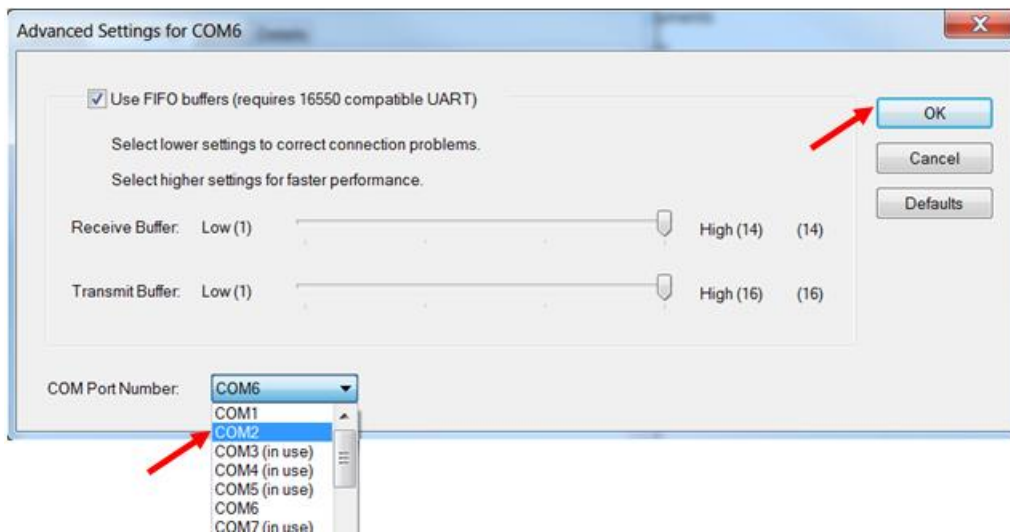
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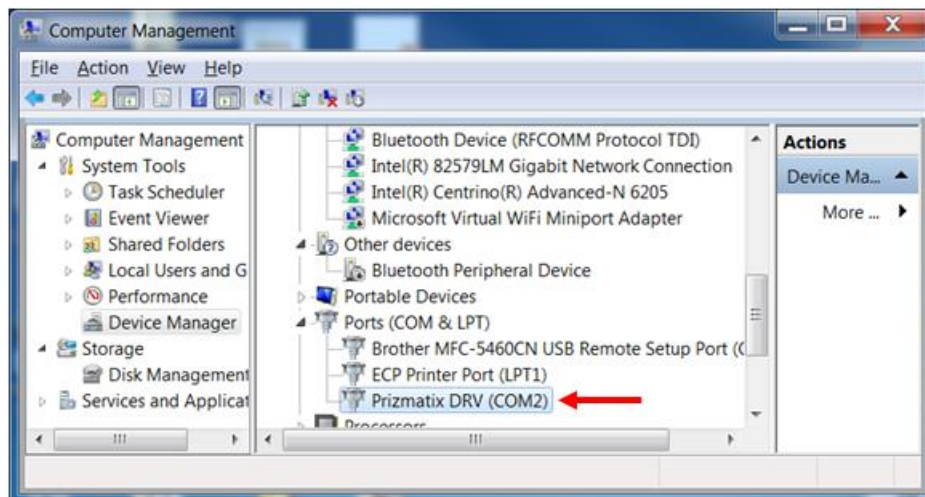
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Select the required COM Port number and press **OK** to close the dialog box.

Press **OK** to close the **Properties** dialog.



Now the updated COM Port number will appear in the device list:



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