



## MCS7840/7820 User Manual for Windows Vista

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# MCS7840/7820 USB2.0 to Four/Two High Speed Serial Ports

## User Manual For Windows Vista 32-bit and Vista 64-bit

Contents:	Page
1. Driver installation for Windows Vista 32-bit: .....	1
2. MCS7840/7820 Device Installation & Detection: .....	3
3. Uninstalling MCS7840/7820 Device & Drivers:.....	4
4. Driver Installation in Windows Vista 64-bit:.....	8
4.1 Preparing Vista 64-bit for Driver installation: .....	8
4.2 Installing the Driver in Windows Vista 64-bit:.....	8
5. Support:.....	9
6. Revision History: .....	9

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### **1. Driver installation for Windows Vista 32-bit:**

Download the MCS7840/7820 driver from MosChip Website at:  
[http://www.moschip.com/html/download\\_drivers.html](http://www.moschip.com/html/download_drivers.html). The driver disk consists of MSSetup.exe, MSUninst.exe and related folders containing installation files.

*Note: Do not get confused with the folder name in the Driver disk for Vista. It could be anything, but makes no difference.*

## MCS7840/7820 User Manual for Windows Vista

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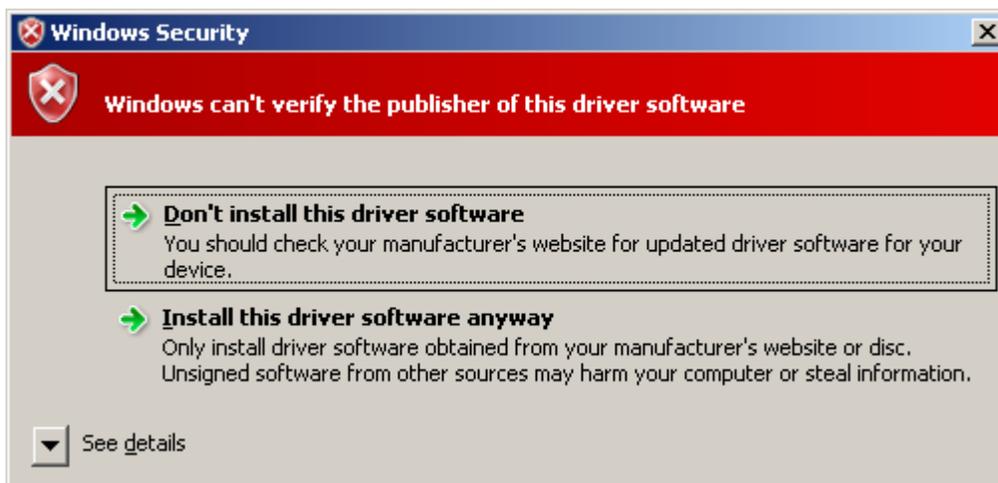
Use “MSSetup.exe” utility to install the driver. Double click on MSSetup.exe to start the installation process. Make sure that the User installing the driver must be a member of the Administrator group on the system

You will get a “User Account Control” window saying “*An unidentified program wants access to your computer*”. Click on *Allow* to continue installing the Driver.

You will get an installation window as below, press “Install” button to install the drivers for High-Speed USB Multi Serial Device.



During the installation process, a “Windows Security” warning message pops up informing that “*Windows cannot verify the publisher of this driver software*”. Ignore the warning message by clicking on the option “*install this driver software anyway*”.



You will get the above message two times and you have to select “*install this driver software anyway*”.

## MCS7840/7820 User Manual for Windows Vista

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The utility displays a message stating “Installation completed”. Use “Exit” button to complete the driver installation.



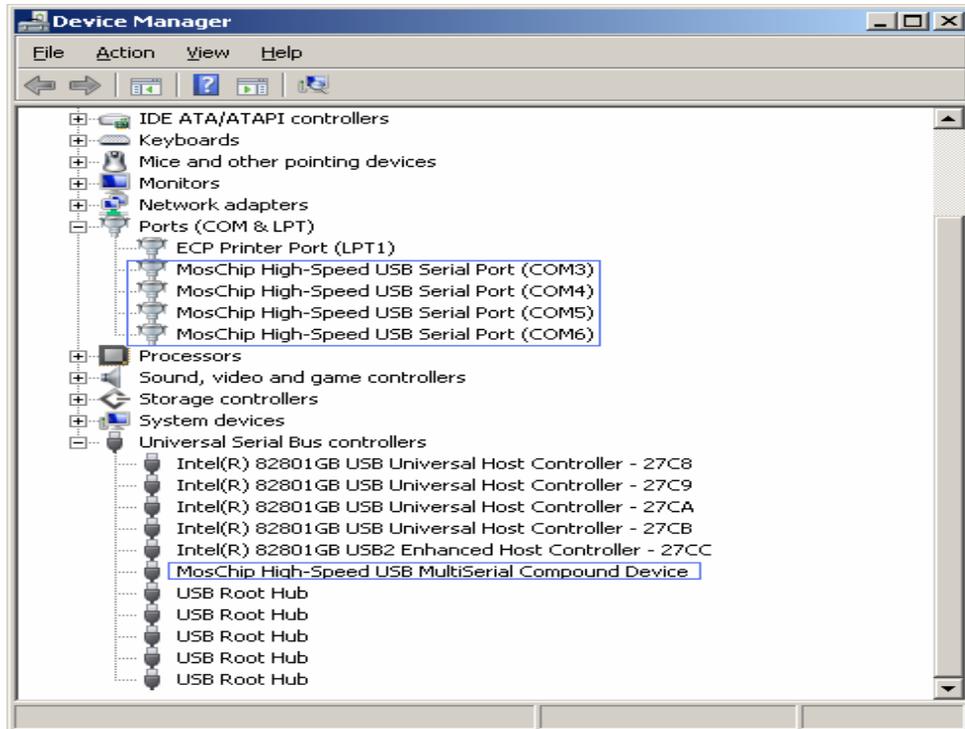
## **2. MCS7840/7820 Device Installation & Detection:**

Connect MCS7840/7820 to the USB Host controller of the PC using a USB cable. The first time you plug-in the cable into the USB port, Windows will start installing the device driver software. You can see the installation status at the pop-up message of system tray. After installation, the pop-up message says “*Your devices are ready to use*”, *Device driver software installed successfully*.

MCS7840/7820 device detection can be confirmed by checking at the Device manager. Check for “*MosChip High-Speed USB MultiSerial Compound Device*” under *Universal Serial Bus controllers* and you will find “*MosChip High-Speed USB Serial Port (ComX)*” under the category *Ports (COM & LPT)*. Here ‘X’ in ‘ComX’ represents the serial port number. You can see the same in the figure below.

## MCS7840/7820 User Manual for Windows Vista

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*Note: In case of MCS7820, user can see only two High-Speed USB based serial ports*

Now the MCS7840/7820 device is ready to use. You can connect a Serial Mouse or a Modem and see if the serial port of MCS7840 works.

### **3. Uninstalling MCS7840/7820 Device & Drivers:**

There are 3 methods to uninstall the driver for MCS7840/7820.

#### **Method 1:**

Use “MSUninst.exe” to uninstall the MCS7840/7820 device driver from your PC. Double click on *MSUninst.exe* to run the uninstaller. You will get a “User Account Control” window saying “*An unidentified program wants access to your computer*”. Click on *Allow* to continue uninstalling the driver.

When Uninstaller prompts for confirmation click on OK

## MCS7840/7820 User Manual for Windows Vista

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After uninstalling the driver, you will get the following window, where you need to use the exit button to complete the uninstall process.



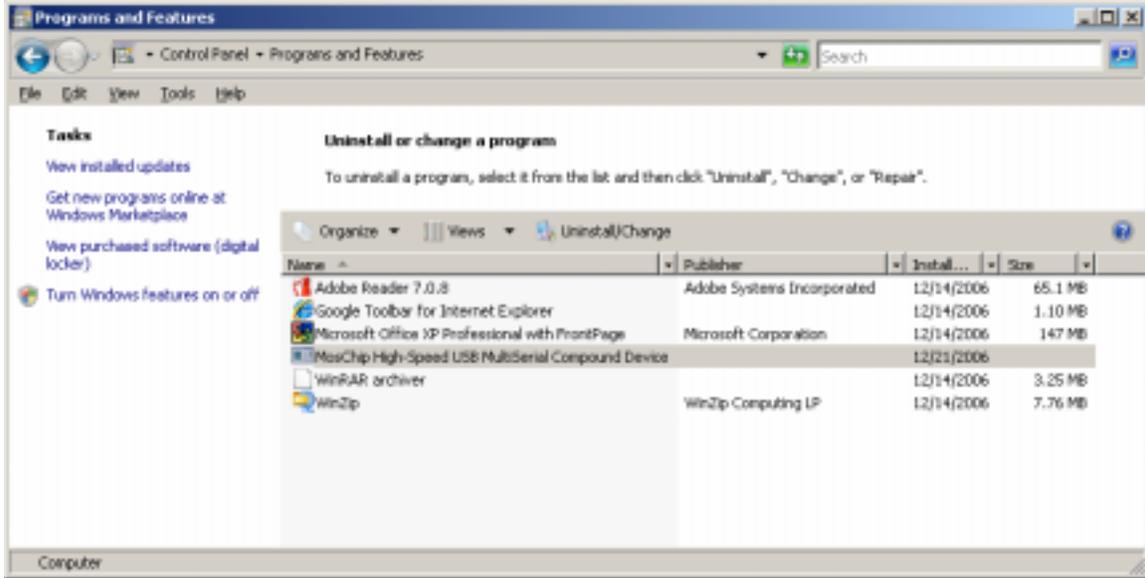
No need to restart the PC, unless prompted by the OS.

### Method 2:

The driver can also be uninstalled through Control Panel -> Programs and Features -> Select "MosChip High-Speed USB MultiSerial Compound Device" from list and then click *Uninstall*. This will remove the MCS7840 device driver from your PC

## MCS7840/7820 User Manual for Windows Vista

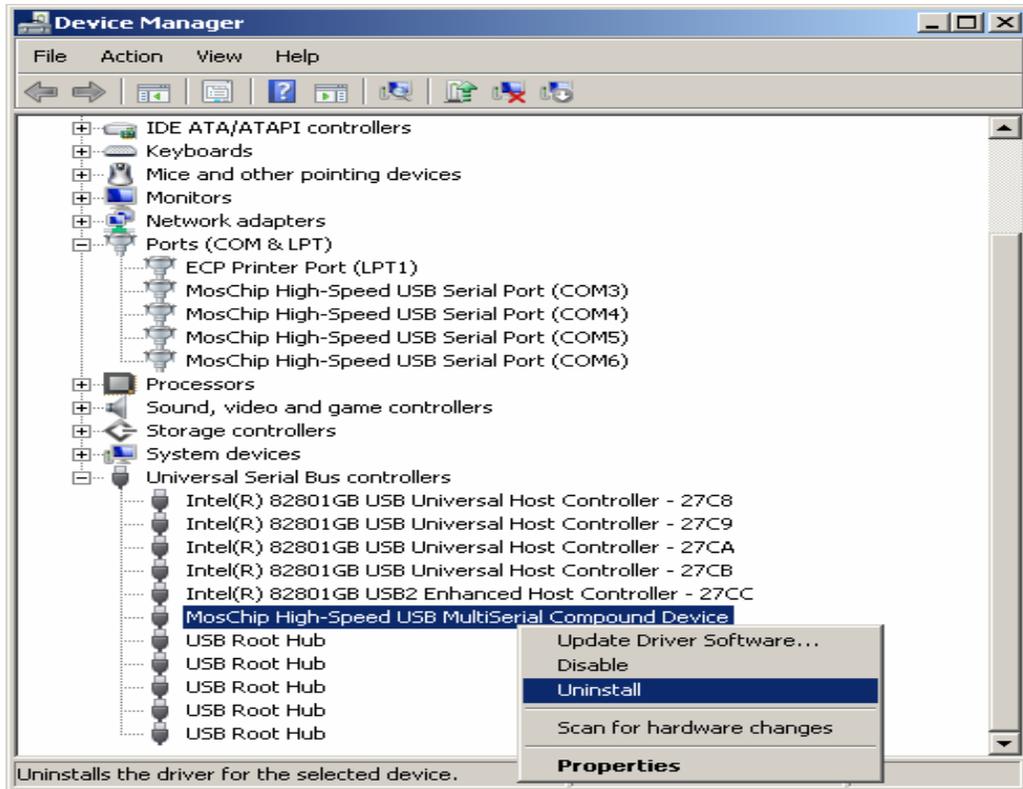
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### Method 3:

The MCS7840 device driver can also be uninstalled through “Device Manager” as well. Go to Device Manager, Select *MosChip High-Speed USB MultiSerial Compound Device* from the “Universal serial Bus controllers”, Right Click on it, Select “Uninstall” as shown below

## MCS7840/7820 User Manual for Windows Vista



When prompted to confirm device uninstall, check the option “Delete the driver software for this device” and click on OK.



If you want to uninstall only the device, but retain the software driver for this device, just click on OK without selecting the option “Delete the driver software for this device”.

## MCS7840/7820 User Manual for Windows Vista

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### **4. Driver Installation in Windows Vista 64-bit:**

The 64-bit version of Windows Vista is the first version of Windows that will only allow signed drivers and this restriction is built-in. Currently, MCS7840/7820 drivers are unsigned. Till we get signed drivers, we request you to follow some prerequisites before installing the driver.

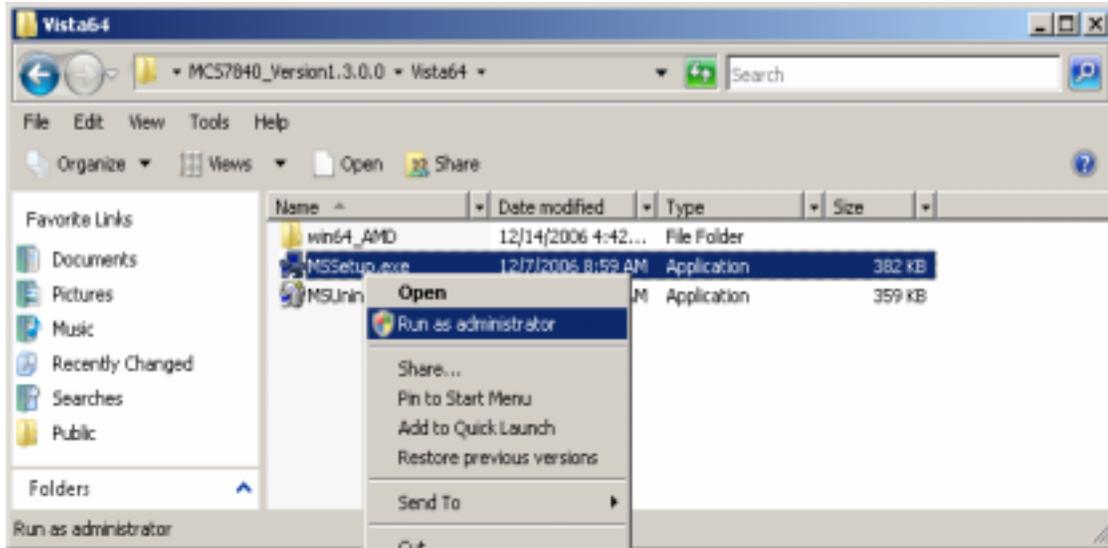
#### **4.1 Preparing Vista 64-bit for Driver installation:**

- **Using the F8 option:** Press F8 key on your keyboard while booting your PC. You will get into “Advanced Boot Options”. Select “Disable Driver Signature Enforcement”.
- An F8 Advanced Boot Option introduced with Windows Vista—“Disable Driver Signature Enforcement”—is available to disable the kernel-signing enforcement only for the current boot session. This setting does not persist across boot sessions.  
*Note: Make sure to use F8 option every time you boot/reboot your PC before start working with MCS7840/7820*
- Make sure that the User installing the driver must be a member of the Administrator group on the system.

#### **4.2 Installing the Driver in Windows Vista 64-bit:**

Before running the installer (MSSetup.exe) or uninstaller (MSUninst.exe) utility of MCS7840/7820, right click on them and select “Run as administrator”. The same is shown in the following figure.

## MCS7840/7820 User Manual for Windows Vista



*Note: Running the setup utilities as administrator is required, as “User Account Control (UAC) is enabled by default in Windows Vista, which does not allow the user to make changes to OS components. If UAC is disabled, you can install the driver without running the setup utilities as an administrator.*

The UAC can be turned ON/OFF at Control Panel -> User Accounts -> Click on “Turn User Account Control on or off” -> Here you can disable/enable the UAC.

**The remaining install/uninstall procedure of Vista 64-bit is same as Windows Vista 32-bit, as explained above.**

### 5. Support:

Queries, Technical questions if any can be sent to [techsupport@moschip.com](mailto:techsupport@moschip.com) or [support@moschip.com](mailto:support@moschip.com).

### 6. Revision History:

Version	Initiated By	Change Details	Date
1.0	Harry Morwin	Initial Release	22 <sup>nd</sup> Dec, 2006