

IMPRES Battery Fleet Management Installation Guide

Introduction

Please read the instructions below before proceeding with the installation package for IMPRES Battery Fleet Management. Be sure to carefully read all on-screen instructions during the installation.

System Installation Requirements

All computers installing the available IMPRES Battery Fleet Management application must adhere to the following minimum requirements:

Operating System Requirements

• Microsoft® Windows® Vista Home Premium Edition
• Microsoft® Windows® Vista Business Edition
• Microsoft® Windows® XP Home/Professional Editions, with Service Pack 2 or Service Pack 3
• Microsoft® Windows® 7 Professional and Premium Editions
• Microsoft® Windows® 8 Professional and Enterprise Editions

Hardware Minimum Requirements

IMPRES Battery Fleet Management can either be installed on a client computer or a server computer. Although the installation package is the same for client and server computers, the hardware installation requirements are different for each:

Server Hardware Minimum Requirements

• DVD drive
• 1 GB of hard disk space
• 2 GB RAM

Client Hardware Minimum Requirements

• 1 USB (Universal Serial Bus) Port
• DVD drive
• 200 MB of hard disk space
• 1 GB RAM

Software Minimum Requirements

• Microsoft® Internet Explorer®, Version 6.0.2900.xxxx and above

Access Rights

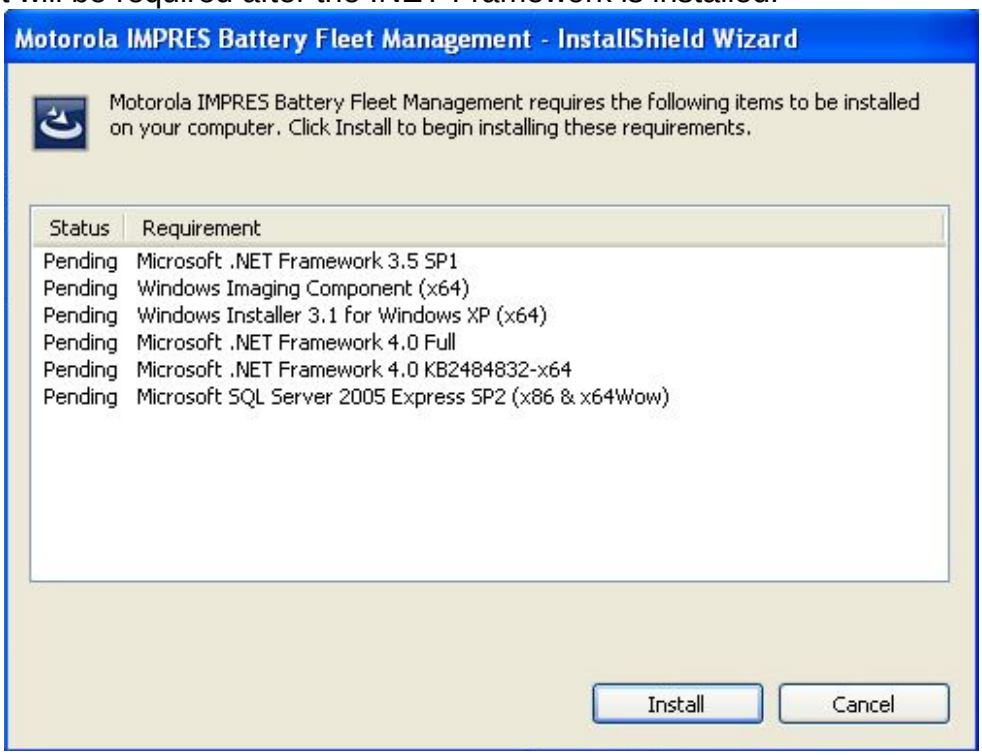
• You must have Administrator rights on the target computer in order to proceed with the installation.

IMPRES Battery Fleet Management Installation Instructions

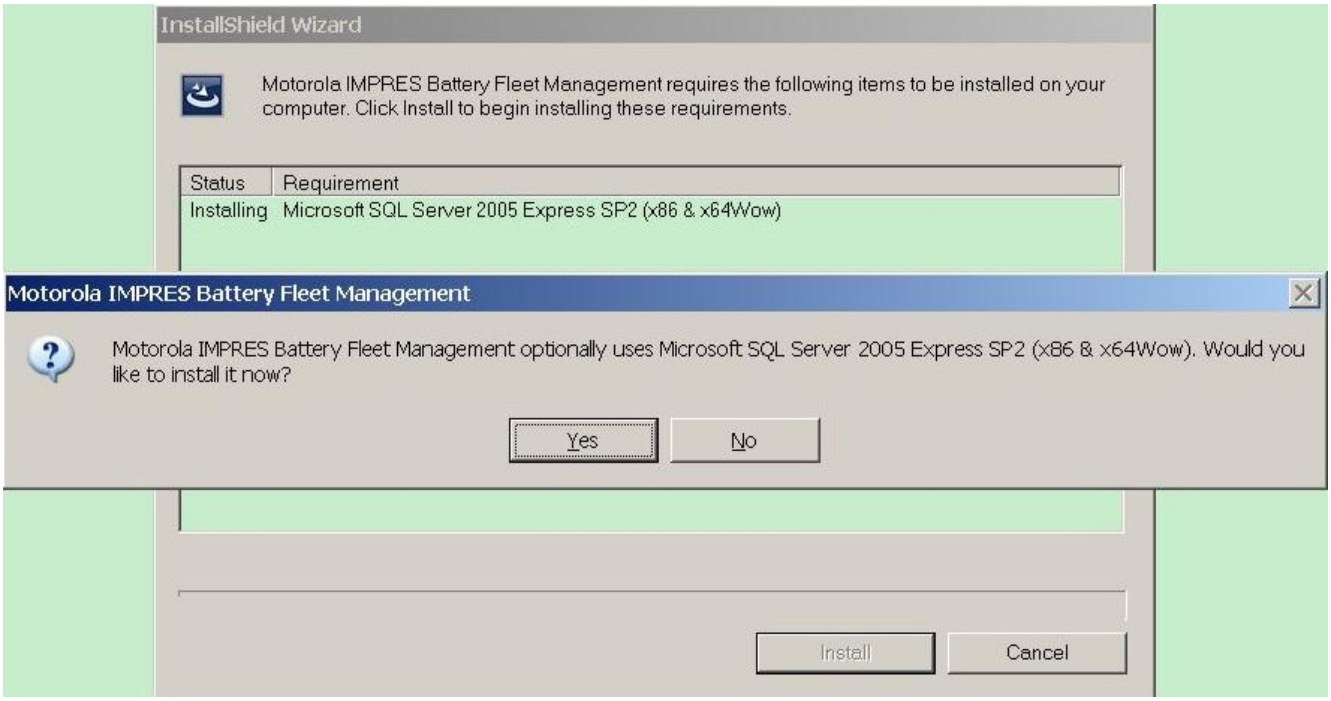
1. Unplug any IMPRES devices that are connected to your computer.
2. Exit all the programs running on your computer.
3. (**Option for Reinstallation**) Click **Start->Settings->Control Panel->Add or Remove Programs**, highlight "Motorola IMPRES Battery Fleet Management" from currently installed programs and Click **Remove** to uninstall the old version of Fleet Management software.
4. Insert the Installation DVD into the DVD drive.

Note1: If the installation application does not automatically launch, find the autorun.exe file on your DVD and double click the file.

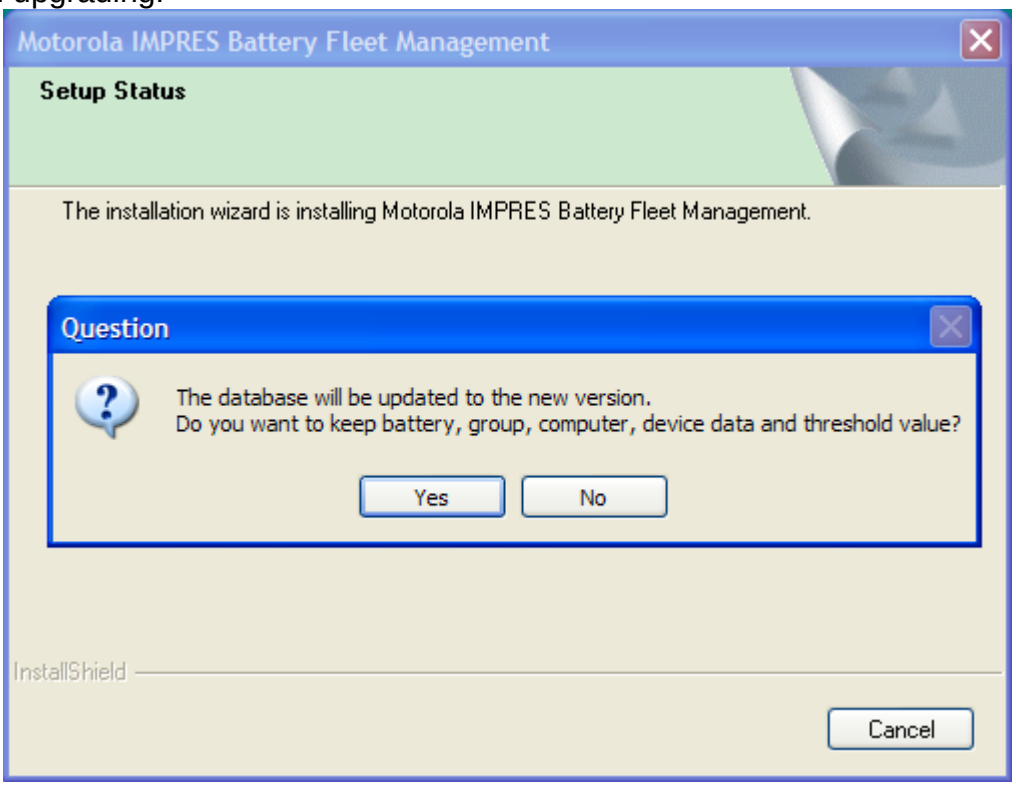
Note2: There is prerequisite software that must be installed onto your computer prior to IMPRES Battery Fleet Management. You will be prompted to install the Microsoft .Net Framework version 3.5, 4.0 and/or Microsoft SQL Server Express 2005 prior to installing IMPRES Battery Fleet Management, if they have not been previously installed on your computer. There is also prerequisite software and update software to be installed prior installing Microsoft .NET Framework 4.0, if they have not been previously installed on your computer. To install the prerequisites, click OK when prompted during the installation. Note that a reboot will be required after the .NET Framework is installed.



Note3: Microsoft SQL Server Express 2005 is prerequisite software for the IMPRES Battery Fleet Management server computer, but is optional software for client computers. Click "**No**" for Microsoft SQL Server 2.5 Express SP4 (but shown as SP2) installation on these computers which have been identified as clients to speed up the installation.

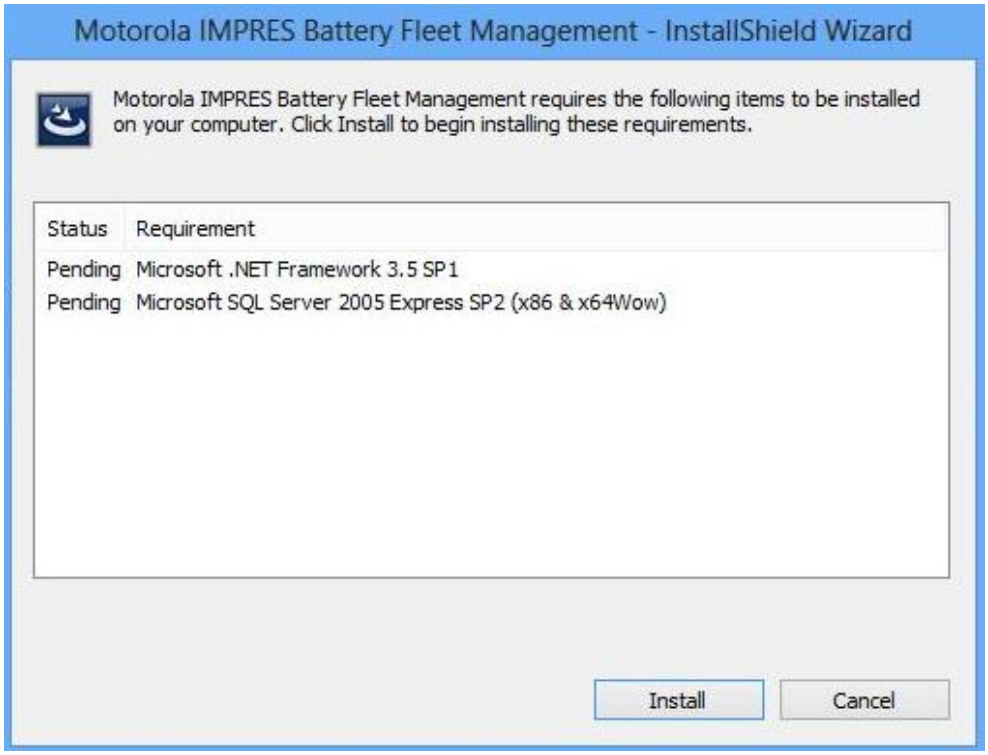


5. Click **Next** when the Welcome screen appears.
6. Read the Software License Agreement before accepting.
7. Follow the instructions on the screen to complete the installation.
8. User can automatically upgrade battery data during installation. Click **Yes** for database automation upgrading.

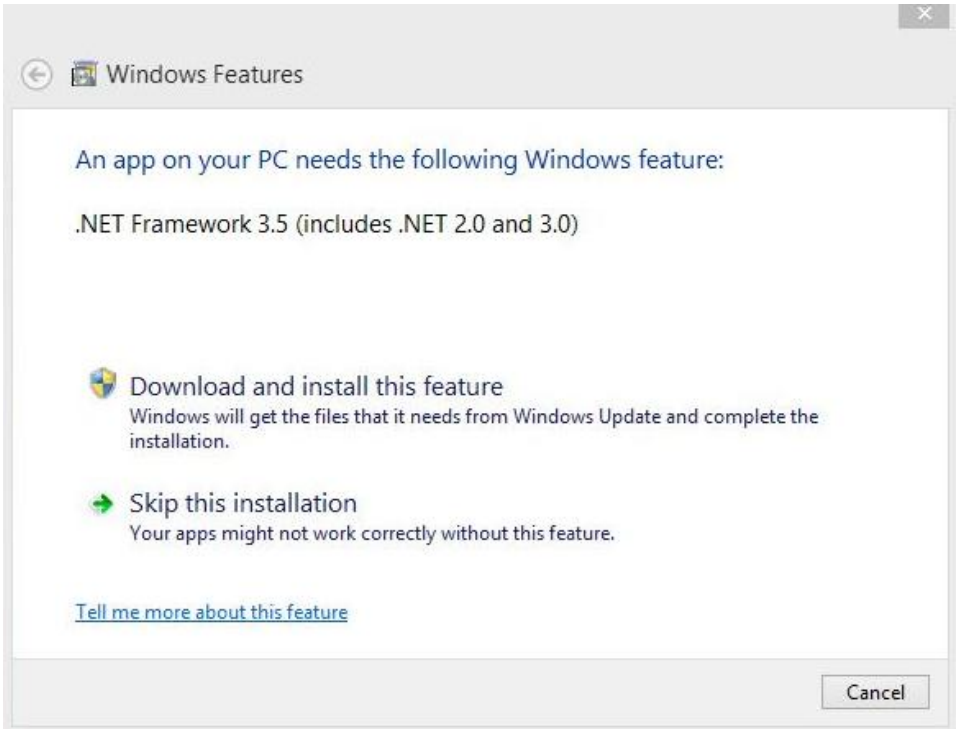


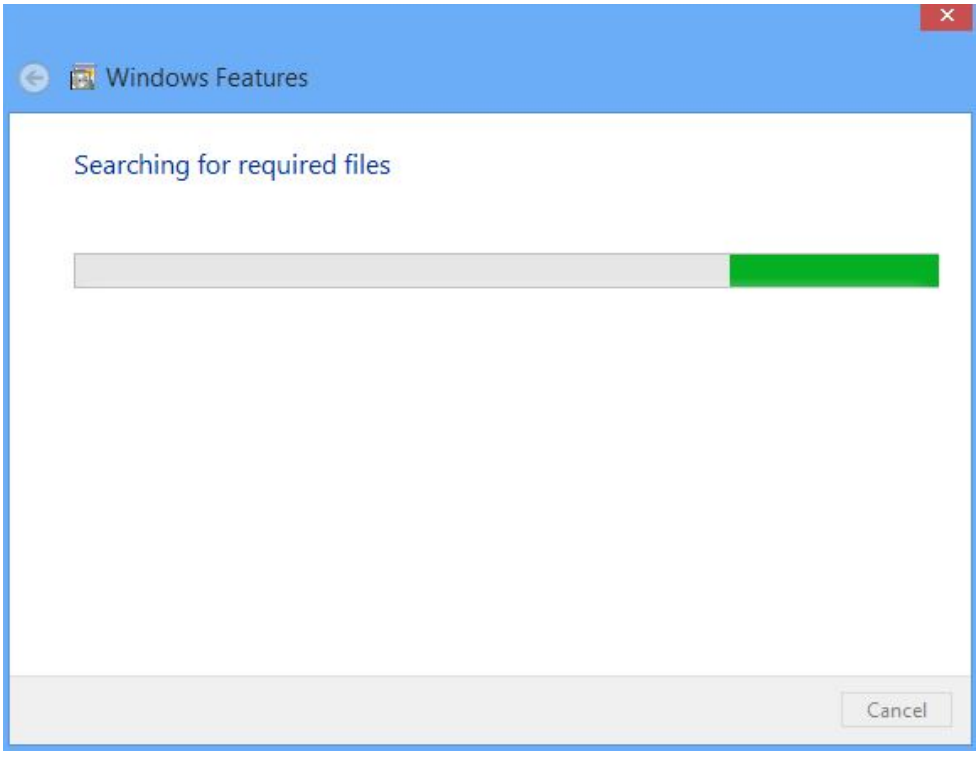
9. Once the IMPRES Battery Fleet Management installation is complete, proceed to install the IMPRES driver (see “Installing IMPRES Devices and the IMPRES Driver”) on the computer.
Note: You may be asked to reboot your computer during the installation.

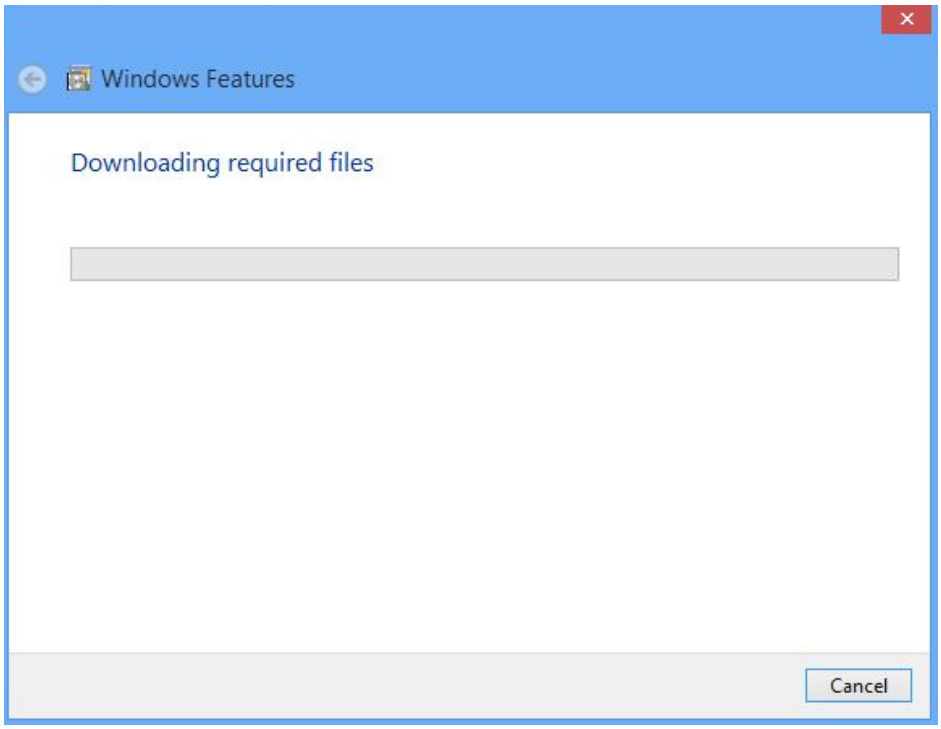
Installing .NET Framework 3.5 and SQL Server 2005 on Windows 8

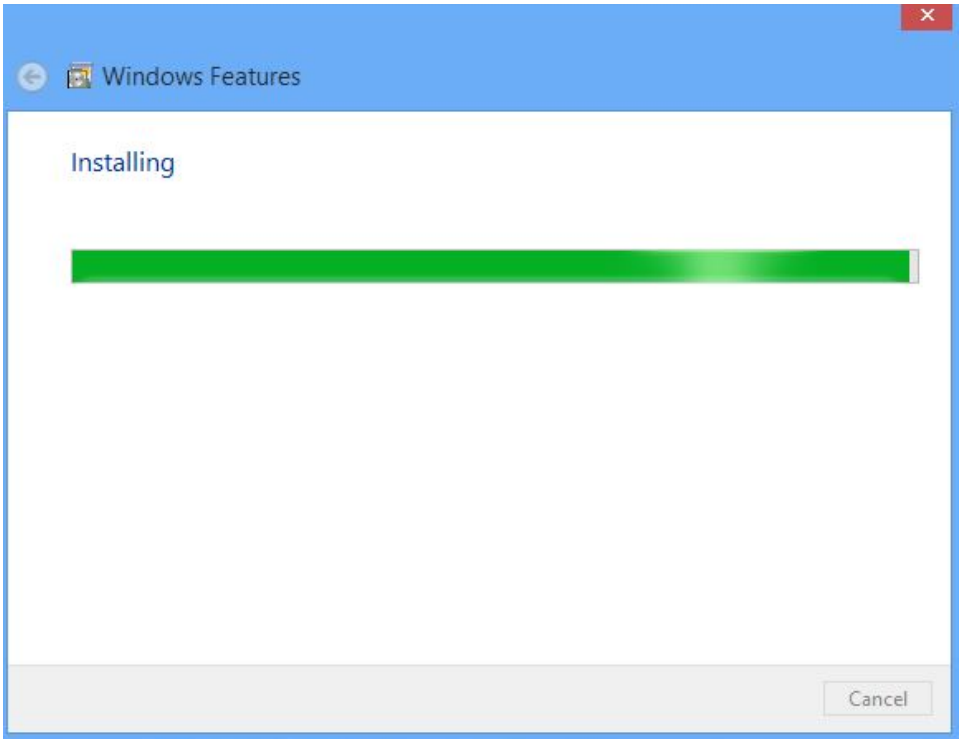


It requires an Internet connection to download and install the Microsoft .NET Framework 3.5 (includes .NET 2.0 and 3.0). Click **Download and install this feature** to continue the installation.

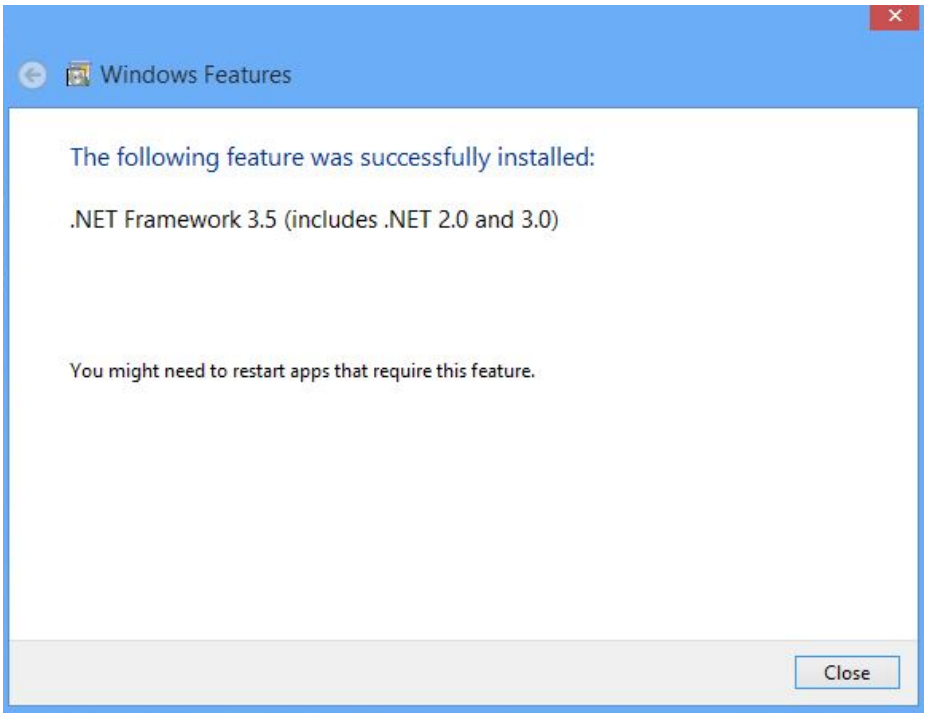

Windows Features
An app on your PC needs the following Windows feature:
.NET Framework 3.5 (includes .NET 2.0 and 3.0)
Download and install this feature
Windows will get the files that it needs from Windows Update and complete the installation.
Skip this installation
Your apps might not work correctly without this feature.
Tell me more about this feature
Cancel


Windows Features
Searching for required files
Cancel

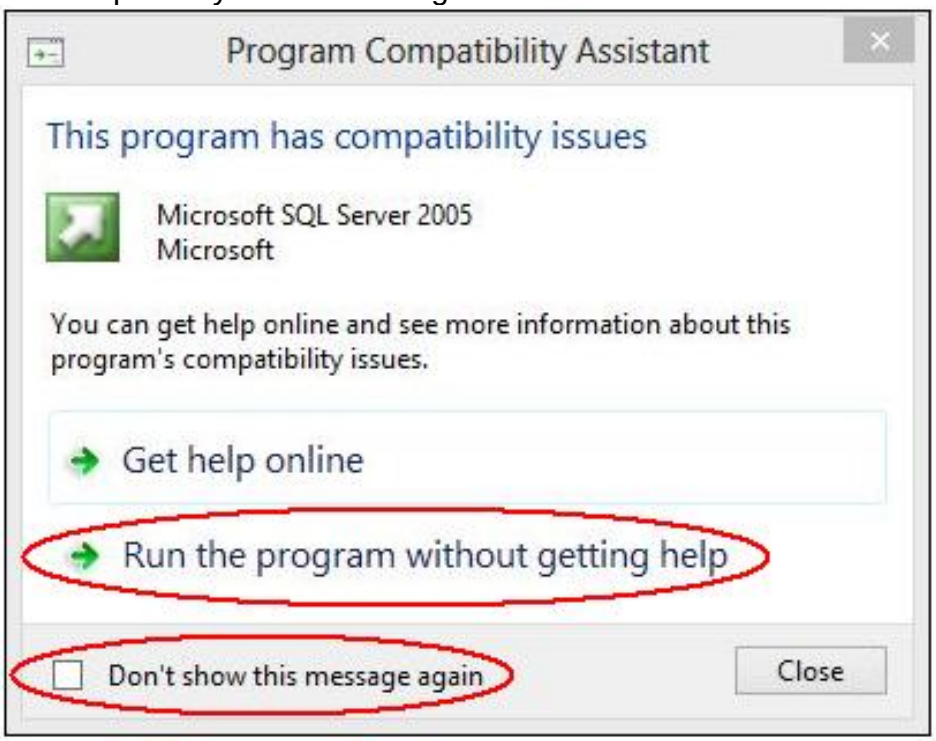




Once the Microsoft .NET Framework 3.5 installation is complete, click **Close**.



For Microsoft SQL Express 2005 installation, check the **Don't show this message again** and choose **Run the program without getting help** to install Microsoft SQL Server 2005 regardless of the compatibility issues warning.



Installing IMPRES Battery Fleet Management on Nettop Computers

Nettop computers (small, inexpensive computers that are designed for basic tasks) can be a cost effective alternative to regular computers to collect battery information from IMPRES Multi Unit Chargers for IMPRES Battery Fleet Management. Nettop computers can be used as client computers in a client/server IMPRES Battery Fleet Management configuration. However, a nettop computer cannot be used as the server in an IMPRES Battery Fleet Management configuration.

Since Nettop computers generally do not have a DVD drive you must first connect the nettop computer to your Local Area Network (LAN) and download the IMPRES Battery Fleet Management installation package from another computer that does have DVD drive. Follow these steps to install IMPRES Battery Fleet Management onto a nettop computer:

1. Select a computer in your organization that has a DVD drive and is attached to your local area network (computer A).
2. Put the IMPRES Battery Fleet Management installation DVD into the DVD drive of computer A, but do not install it.
3. Copy the contents of the DVD to a folder named “FleetManagement” somewhere on the local hard drive of computer A.
4. Share the “FleetManagement” folder with other computers in your local area network:
5. Right click on the folder from Windows Explorer and select Properties.
6. From the Properties dialog select the Sharing tab.
7. Enter “FleetManagement” in the Share name textbox and press OK.
8. From the nettop computer, map a network drive to the “FleetManagement” folder on computer A:
9. From Windows Explorer, select the Tools -> Map Network Driver menu item.
10. Enter two slashes “\\”, the name of computer A, followed by “\FleetManagement” in the Folder textbox and click Finish.
11. The contents of the FleetManagement folder on computer will be displayed in a new Windows Explorer Dialog.
12. Copy all of the files from the FleetManagement folder on computer A to a folder named “FleetManagement” on the nettop computer. Note: It is not recommended to run the IMPRES Battery Fleet Management installation from the shared folder due to performance considerations.
13. Run the IMPRES Battery Fleet Management installation on the nettop computer by executing setup.exe from the FleetManagement folder.

Installation Troubleshooting

Missing Windows Installer

If the Windows Installer is not present on your computer system, an error message is shown as below:



To resolve this problem, exit the installation and follow the steps below:

1. Ensure your computer system adheres to the minimum system requirements. See “System Installation Requirements” on page 1.
2. If your XP system is not running Service Pack 2 or Service Pack 3, download and install Service Pack 3 from Microsoft.
3. Run the IMPRES Battery Fleet Management Installation again.

SQL Server Express Installation Failure

In some circumstances, the SQL Server Express (database) component will fail during installation. The known reasons for failure and steps for problem resolution follow:

- SQL Server Express 2005 fails when MSXML Core Services 6.0 Service Pack 2 has already been installed. This may happen after Microsoft Windows XP has been upgraded from SP2 to SP3

  Follow the steps in this link to resolve this problem:

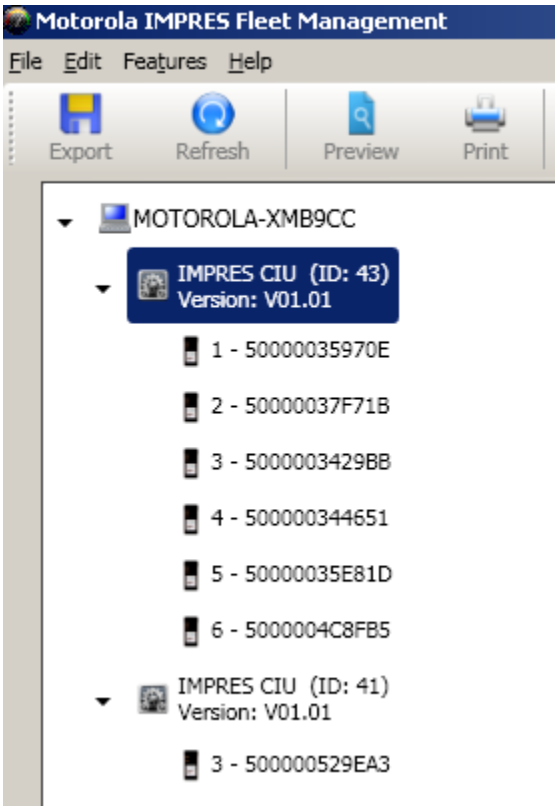
  http://support.microsoft.com/kb/968749

SQL Server Express is not installed in “Quiet Mode”

In some instances, when SQL Server Express is installed, you will be asked to supply configuration details within the installation wizard. Normally, this configuration is automatically provided within the IMPRES Battery Fleet Management installation package and the configuration dialogs will not be displayed. If the configuration dialogs appear during SQL Server installation, simply accept the default values in each dialog by pressing “OK”.

Old IMPRES Charger Interface Unit Firmware

After installing the IMPRES devices as described in the next section, if the firmware of your Charger Interface Unit is not current, then it is possible that IMPRES Battery Fleet Management will not display all of the batteries that are inserted into the IMPRES chargers. The current version of the CIU is displayed in the tree view of the Device Monitor



To upgrade the CIU firmware to a newer version:

1. Select the CIU that you wish to upgrade in the Device Monitor tree view
2. Select **Features**->**Device** Update from the IMPRES Battery Fleet Management main menu
3. The **Device Update** dialog will appear
4. Select the CIU firmware version that you wish to download to the CIU from the Version list
5. Click Update

Installing IMPRES Devices

The IMPRES Battery Fleet Management application collects data from your IMPRES chargers when a battery is inserted into an IMPRES charger pocket. Your IMPRES chargers must be connected to a computer on which IMPRES Battery Fleet Management is installed in order for the application to collect battery data. The IMPRES Charger Interface Unit (CIU) is used to communicate between your IMPRES chargers and the computer. One CIU is required for each IMPRES charger that you connect to a computer that has IMPRES Battery Fleet Management installed onto it. You may connect up to 25 IMPRES chargers/CIU units to a single computer.

Installing the IMPRES Charger Interface Unit (CIU)

To prevent damage to the computer, IMPRES Multi-Unit Charger and IMPRES Charger Interface Unit, please follow the step-by-step instructions listed below:

The following items are required in order to complete the installation (not furnished with the Motorola IMPRES Charger Interface Unit):

- A Personal Computer with one or more USB 1.1 ports (a compatible USB hub may be used between the IMPRES CIU and the PC).
- A Motorola IMPRES Multi-Unit Charger or a Motorola IMPRES Single-Unit Charger

The following items are included in the NNTN7677A IMPRES Multi-Unit Charger Interface Unit packing box and in the NNTN8045A Single-Unit Charger Interface Unit packing box:

- CIU control assembly
- USB cable (SKN6371C)

To install an IMPRES CIU:

Disconnect power to the IMPRES Charger and the computer

If you are connecting a CIU for a IMPRES Multi-Unit Charger, then

- Connect the 15 pin DB-15 plug from the IMPRES CIU into the 15 pin DB-15 receptacle on the back of the IMPRES Multi-Unit Charger



- Tighten the two thumb screws to secure the DB-15 plug to the receptacle



- Connect the mini-USB Plug of the furnished USB cable (SKN6371C) to the mini-USB connector on the side of the IMPRES Multi-Charger Interface Unit



If you are connecting a CIU for a IMPRES Single-Unit Charger, then

- Connect the RJ-11 plug from the CIU into the RJ-11 receptacle on the back of the Charger



- Connect the mini-USB Plug of the furnished USB cable (SKN6371C) to the mini-USB connector on the side of the Charger Interface Unit.



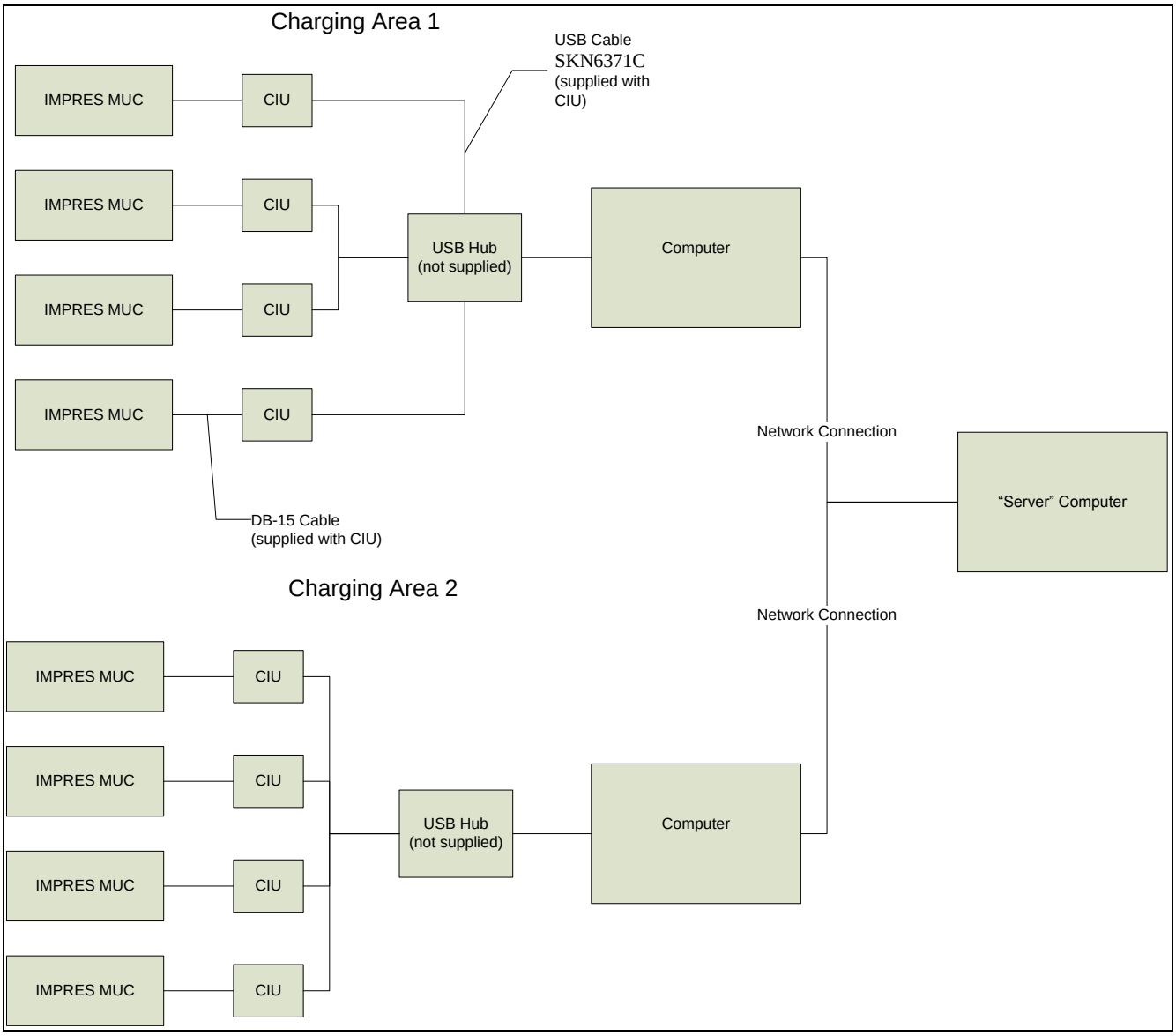
Connect the standard USB plug of the furnished USB cable (SKN6371C) to the USB connector on the computer.



Apply power to the computer and to the IMPRES Multi-Unit Charger.

The following diagram illustrates one possible IMPRES Battery Fleet Management installation that has multiple IMPRES Multi Unit Chargers attached IMPRES Charger Interface Units that are attached to

computers in different locations. The computers are networked to communicate with a single logical IMPRES Battery Fleet Management "server".



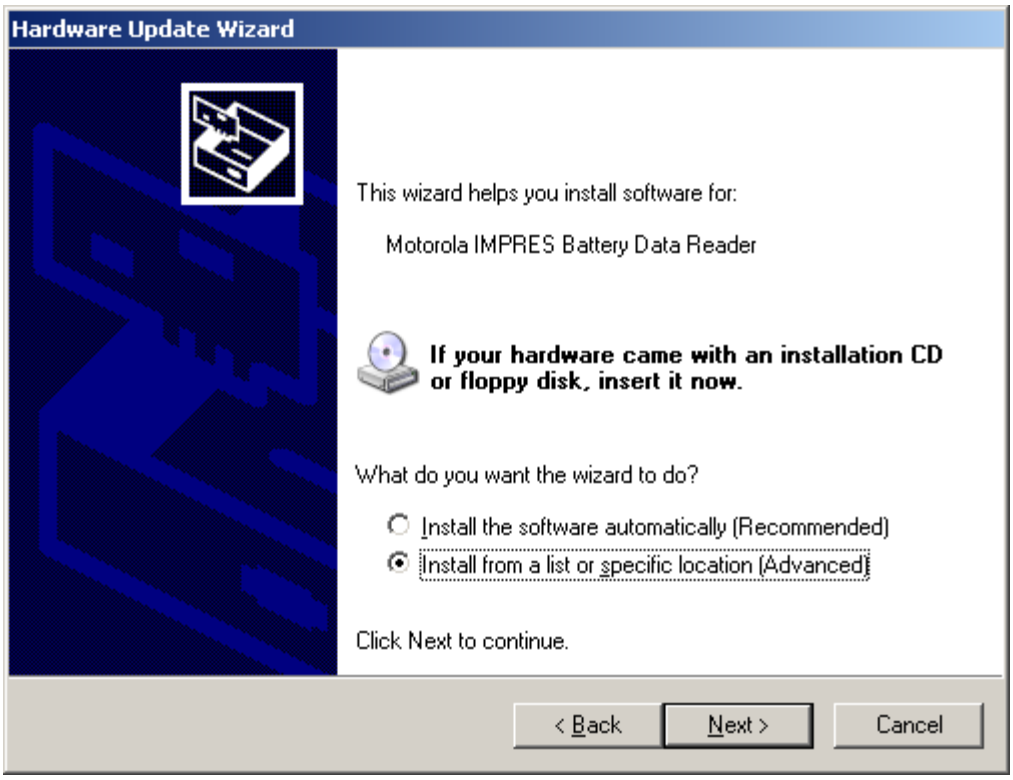
Installing the IMPRES Driver

When the computer is powered up, the operating system will recognize that a new device (the IMPRES Charger Interface Unit) has been connected to a USB port. It will then automatically begin the Driver Installation Wizard. Follow the steps below to install the IMPRES driver using the Driver Installation Wizard:

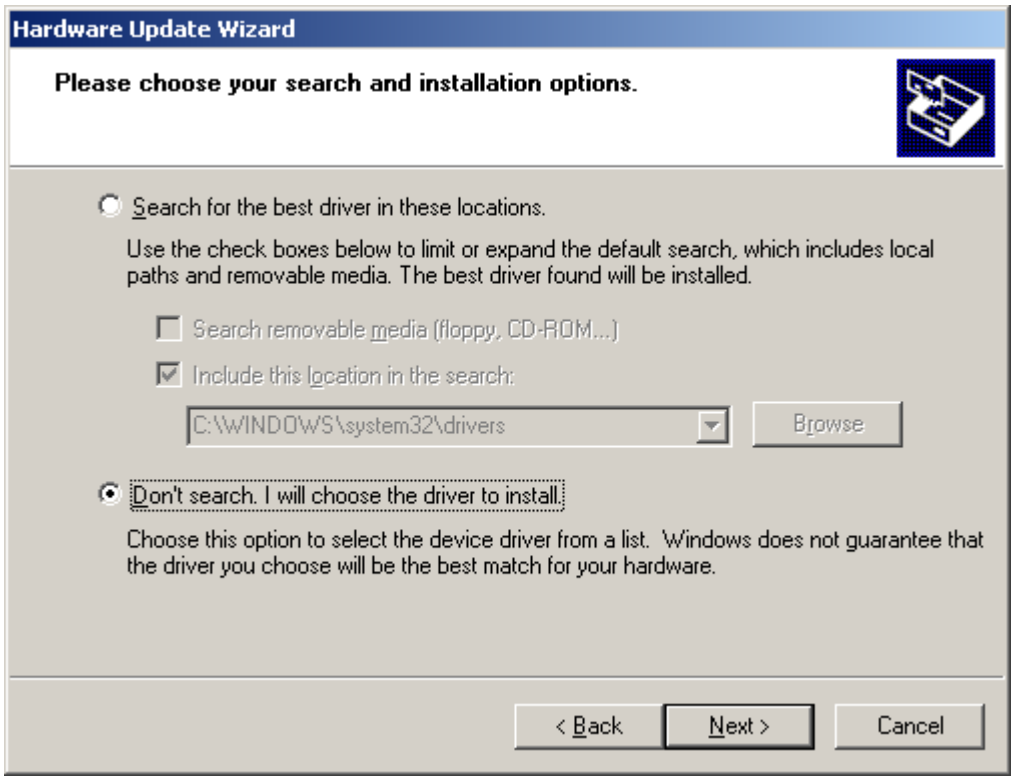
On Microsoft® Windows® XP Operating System

To install the IMPRES driver:

1. Exit all the IMPRES programs running on your computer.
2. Connect the USB cable to the USB port on your computer.
3. The "*Found New Hardware Wizard*" window appears automatically.
4. Select "*No, not this time*", as shown below. Click **Next**.
5. Select "*Install from a list or specific location (Advanced)*", as shown below. Click **Next**.

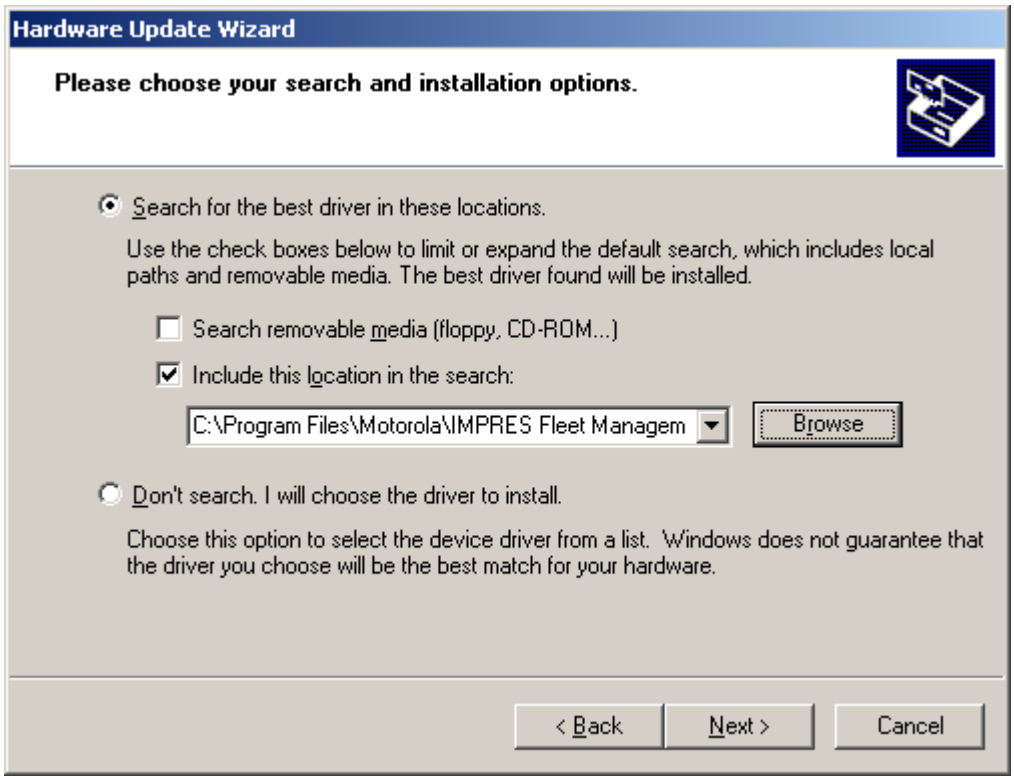


6. The following screen appears. Select *"Don't search. I will choose the driver to install"*. Click **Next**.



7. The following screen appears. Click **Browse** to manually locate the driver.

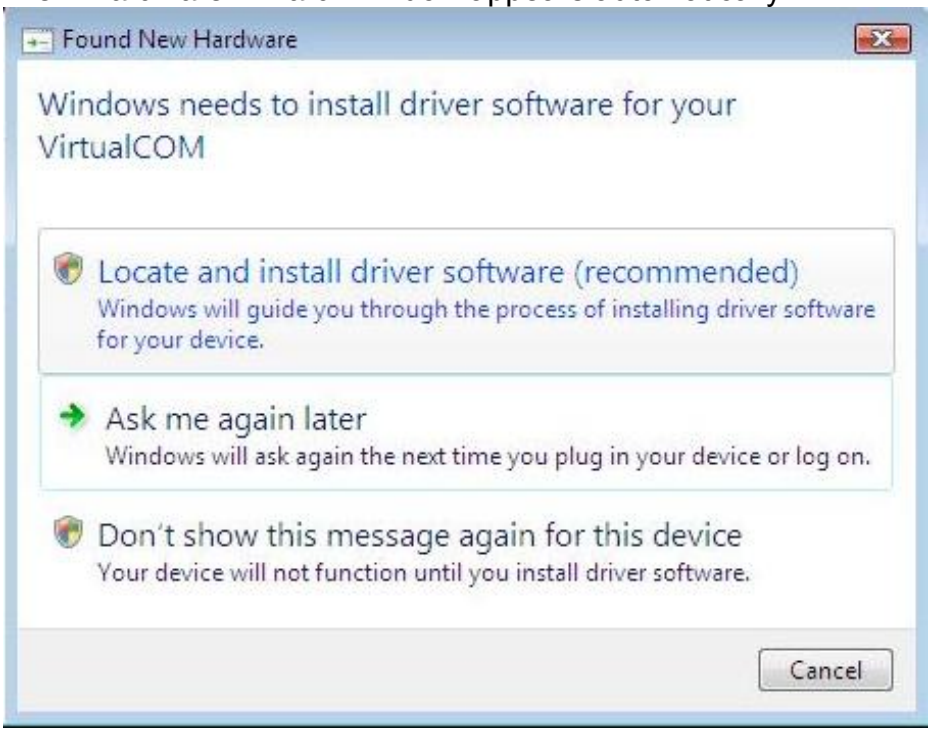
Note: The driver is installed into a sub-folder of the IMPRES Battery Fleet Management installation folder. The default full path of the folder where the device driver is located is: **C:\Program Files\Motorola\IMPRES Fleet Management\Drivers\x86 or x64,** depending on whether your computer is a 32 bit computer (use the x86 folder) or a 64 bit computer (use the x64 folder). Once you have located the driver, click **OK**.



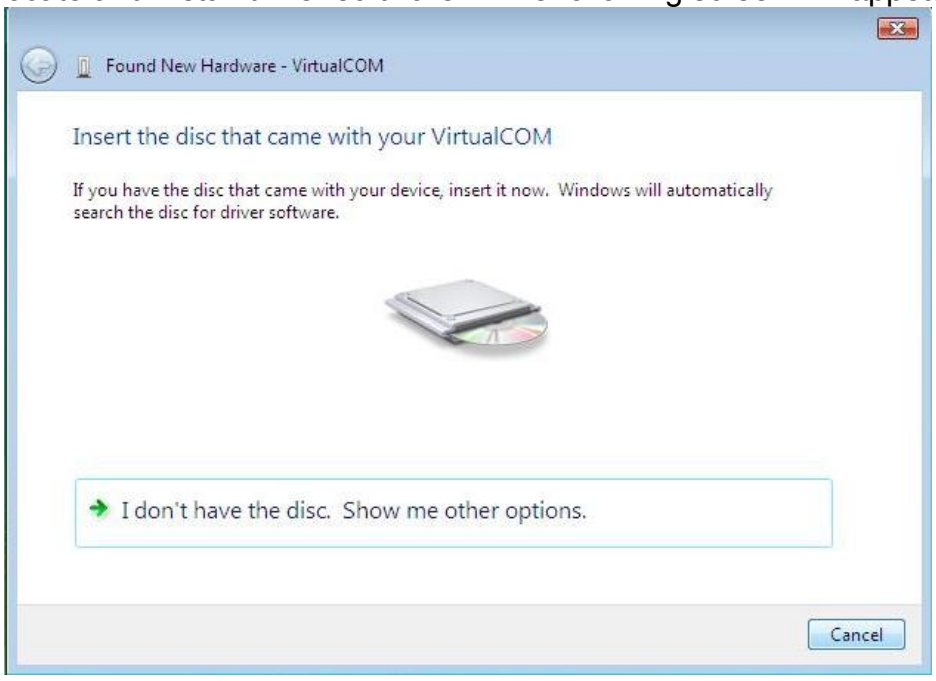
8. Please wait while your computer installs the driver.
9. Once the installation is complete, click **Finish**.

On Microsoft® Windows® Vista Operating System

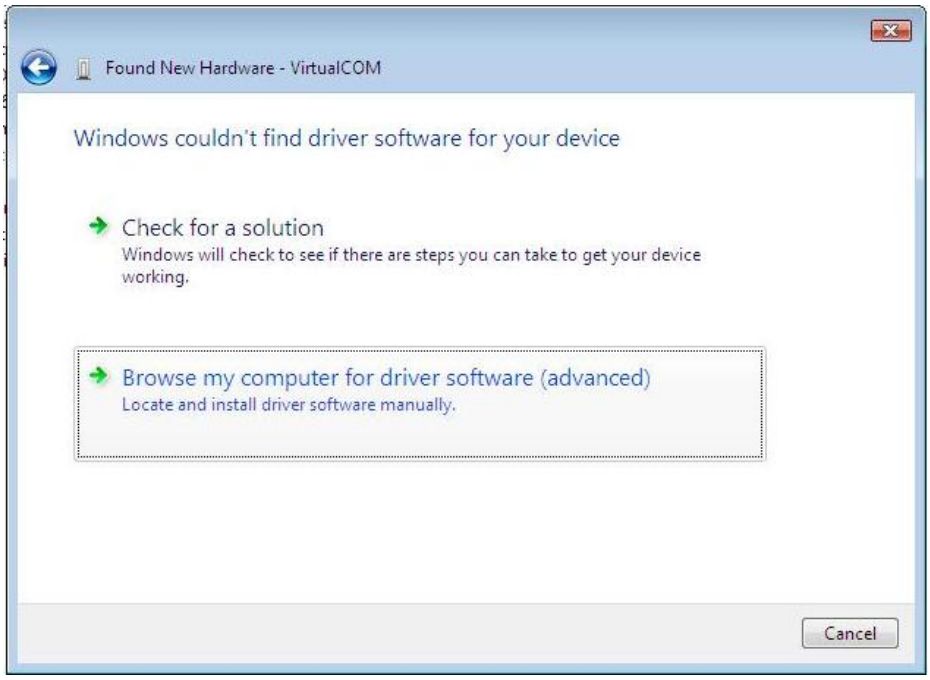
To install the IMPRES driver:
1. Exit all the IMPRES programs running on your computer.
2. Connect the USB cable to the USB port on your computer.
3. The "*Found New Hardware Wizard*" window appears automatically.



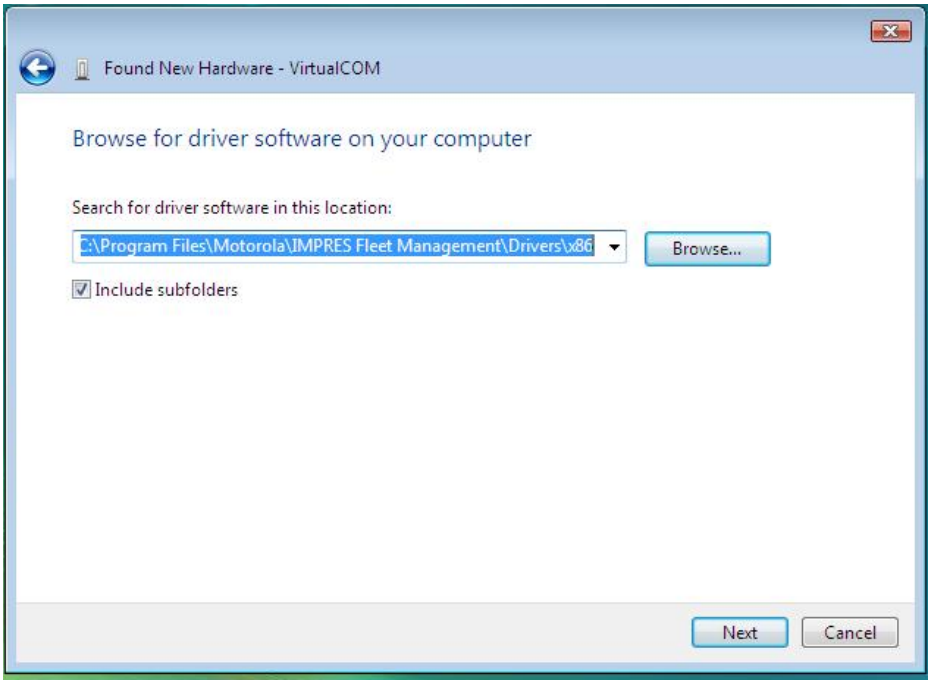
4. Click on "Locate and install driver software". The following screen will appear:



5. Click on “I don’t have the disc. Show me other options”. The following screen will appear:

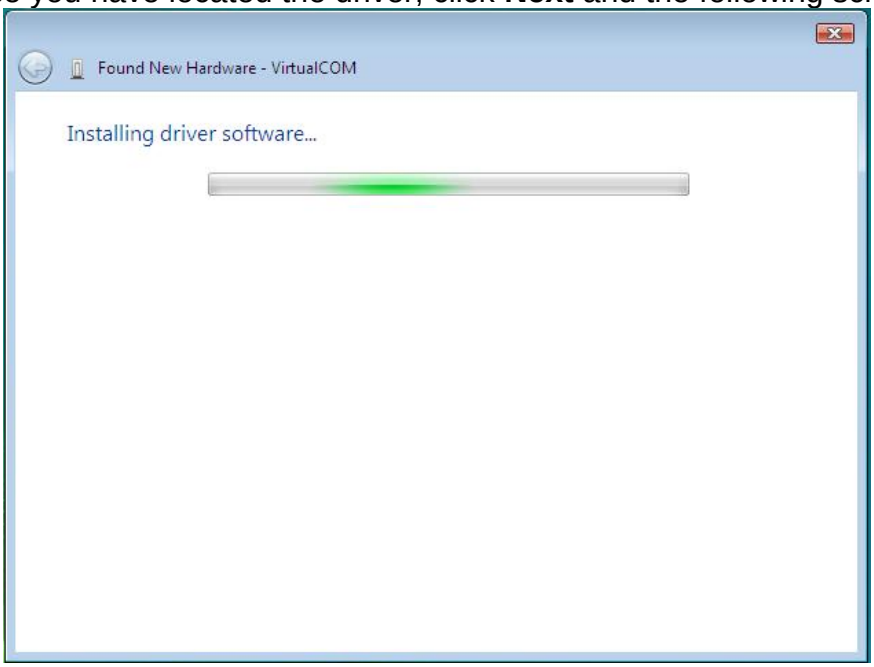


6. Select “Browse my computer for driver software”. The following screen will appear:

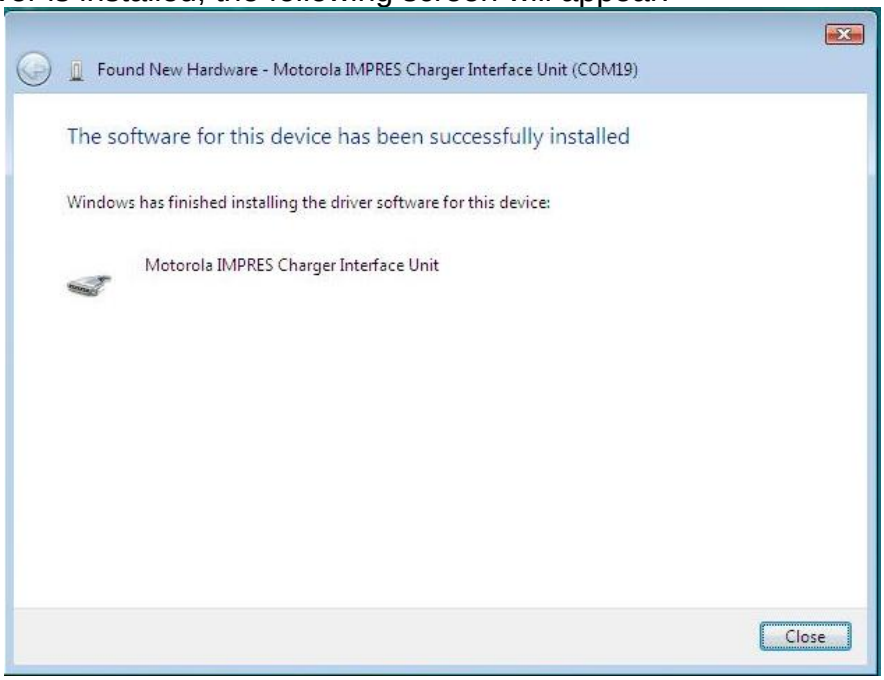


7. Click the **Browse** button to manually locate the driver.

Note: The driver is installed into a sub-folder of the IMPRES Battery Fleet Management installation folder. The default full path of the folder where the device driver is located is: **C:\Program Files\Motorola\IMPRES Fleet Management\Drivers\x86 or x64,** depending on whether your computer is a 32 bit computer (use the x86 folder) or a 64 bit computer (use the x64 folder). Once you have located the driver, click **Next** and the following screen will appear:



8. After the driver is installed, the following screen will appear:

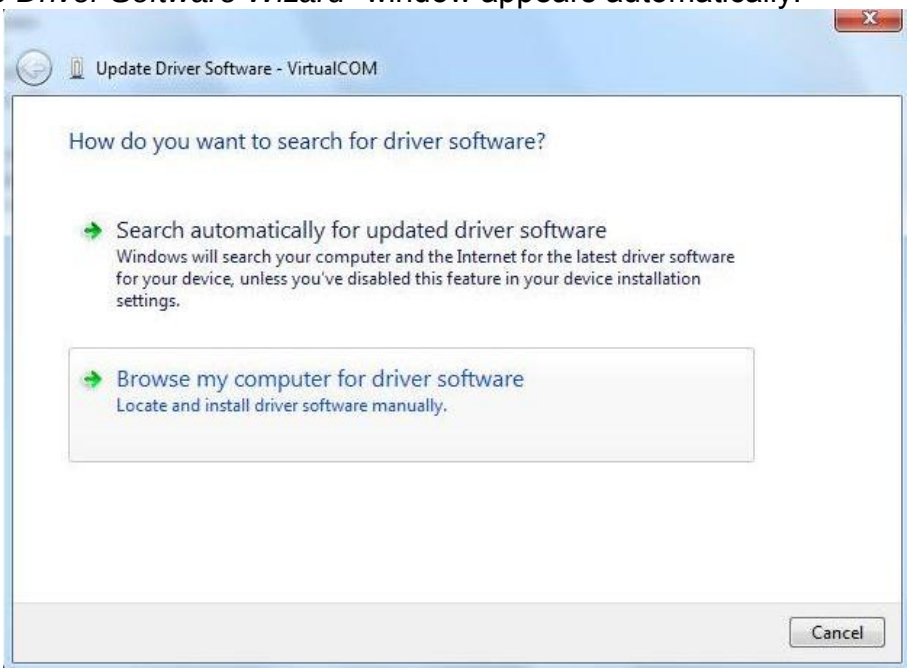


Click on **Close** to complete the driver installation.

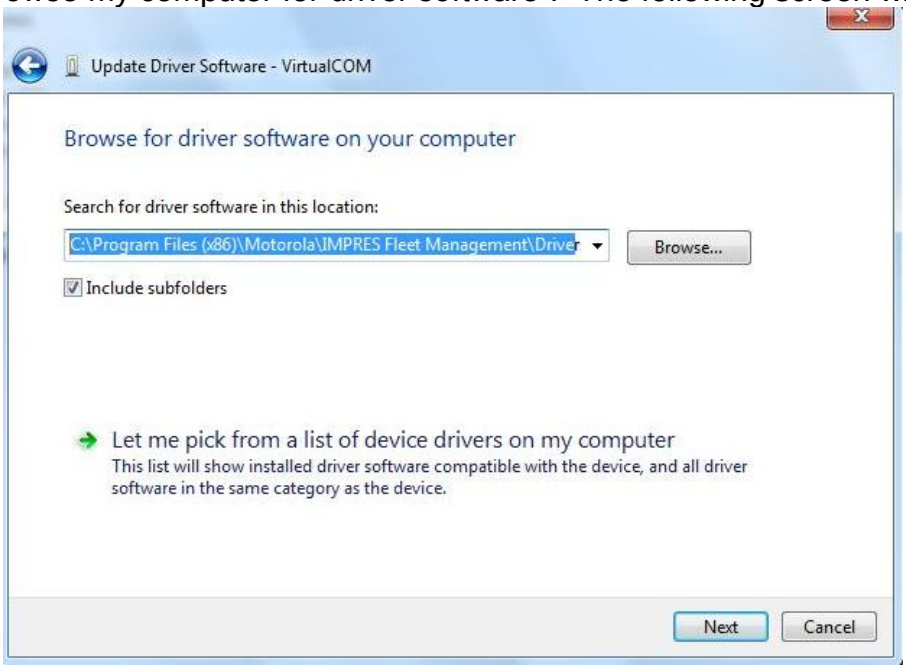
On Microsoft® Windows® 7 Operating System

To install the IMPRES driver:

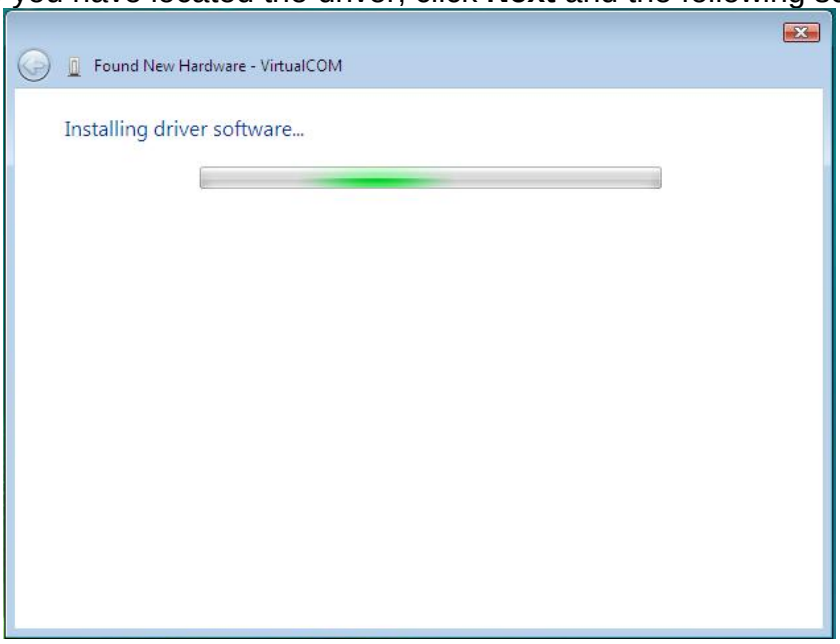
1. Exit all the IMPRES programs running on your computer.
2. Connect the USB cable to the USB port on your computer.
3. The "*Update Driver Software Wizard*" window appears automatically.



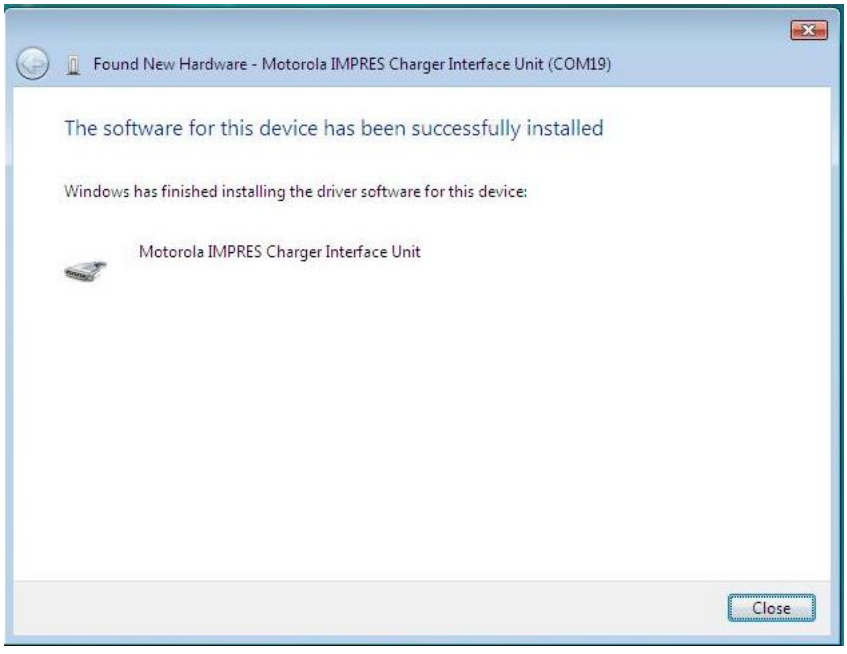
4. Click on "Browse my computer for driver software". The following screen will appear:



5. Click the **Browse** button to manually locate the driver.
Note: The driver is installed into a sub-folder of the IMPRES Battery Fleet Management installation folder. The default full path of the folder where the device driver is located is: **C:\Program Files\Motorola\IMPRES Fleet Management\Drivers\x86 or x64,** depending on whether your computer is a 32 bit computer (use the x86 folder) or a 64 bit computer (use the x64 folder). Once you have located the driver, click **Next** and the following screen will appear:



6. After the driver is installed, the following screen will appear:



7. Click on **Close** to complete the driver installation

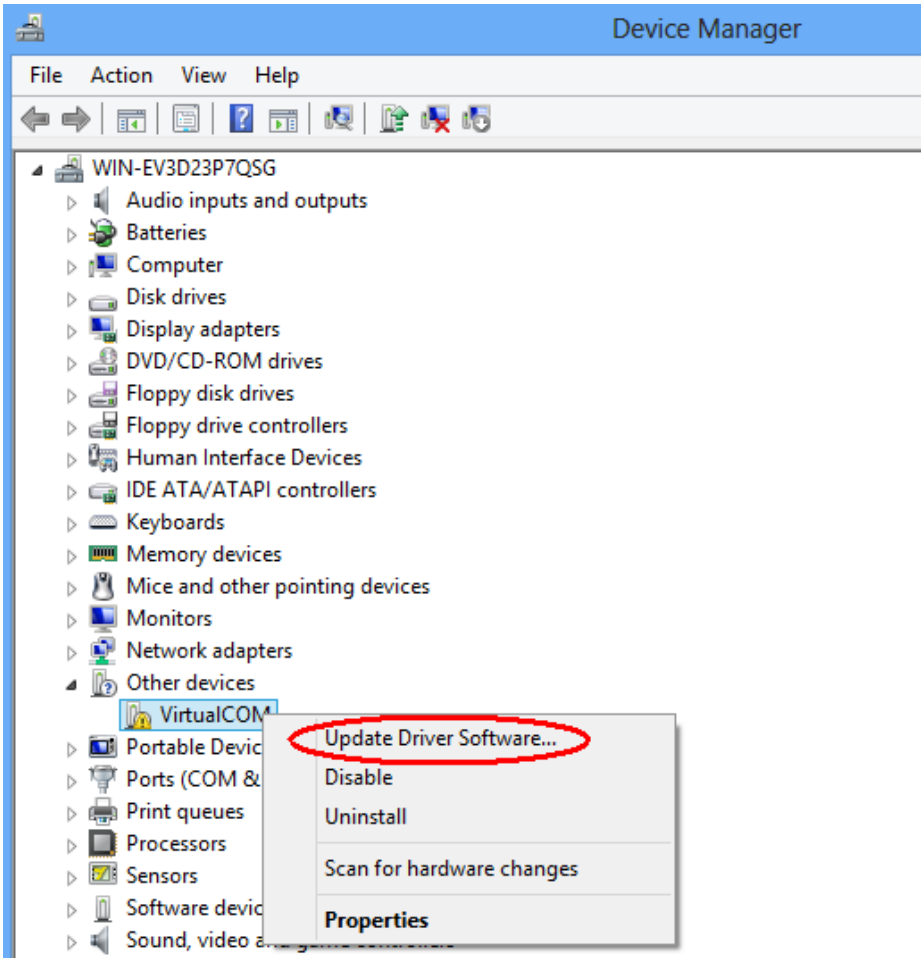
For Microsoft® Windows® 8 Operating System

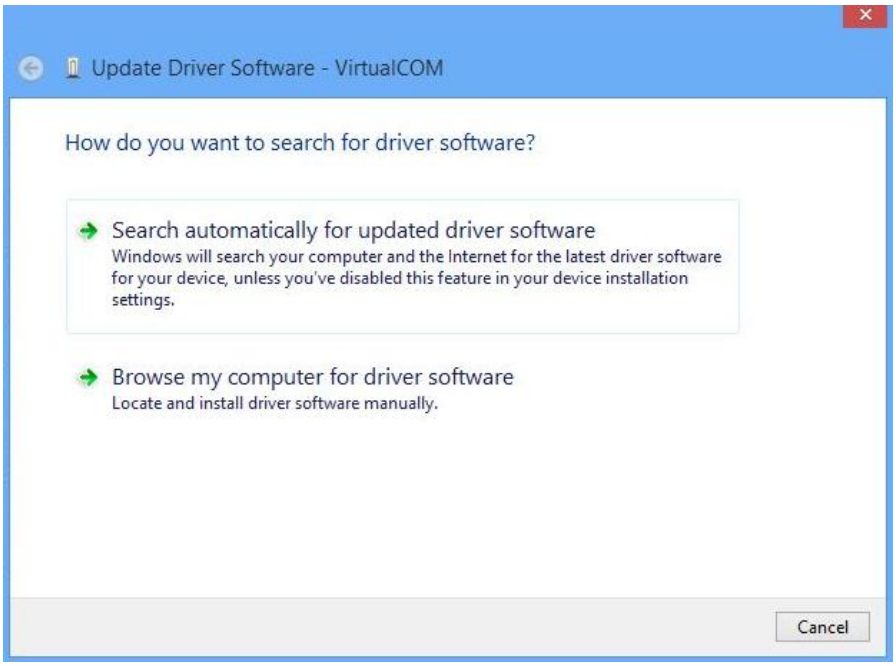
To install the IMPRES driver:

1. Exit the IMPRES Battery Fleet Management program running on your computer.
2. Connect the USB cable to the USB port on your computer.
3. Search **devmgmt.msc** in the search bar.

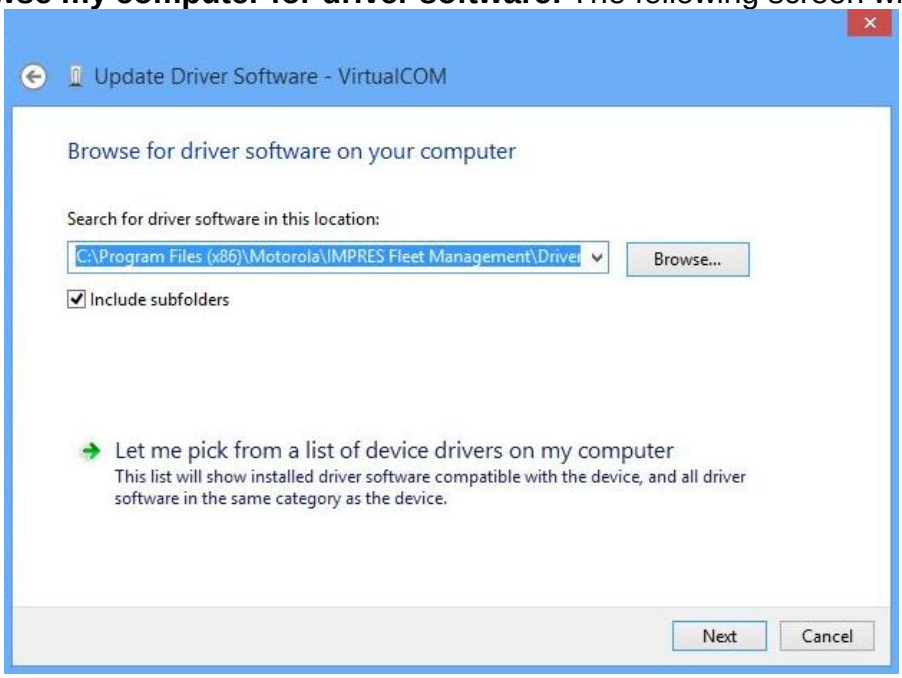


4. Launch the Device Manager and look for **VirtualCOM** under Other devices, then click on **Update Driver Software.**



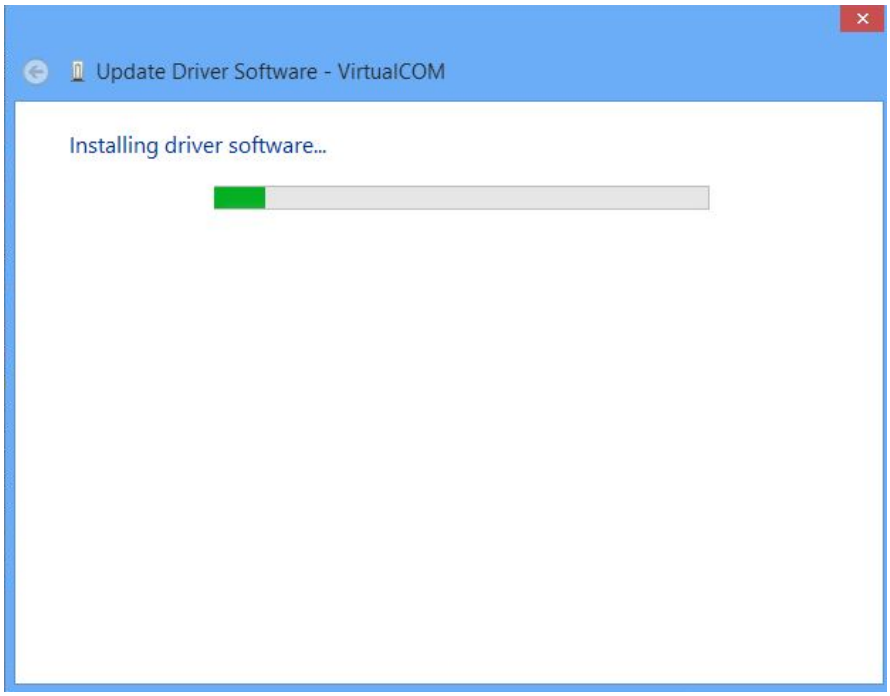


5. Click on **Browse my computer for driver software.** The following screen will appear:

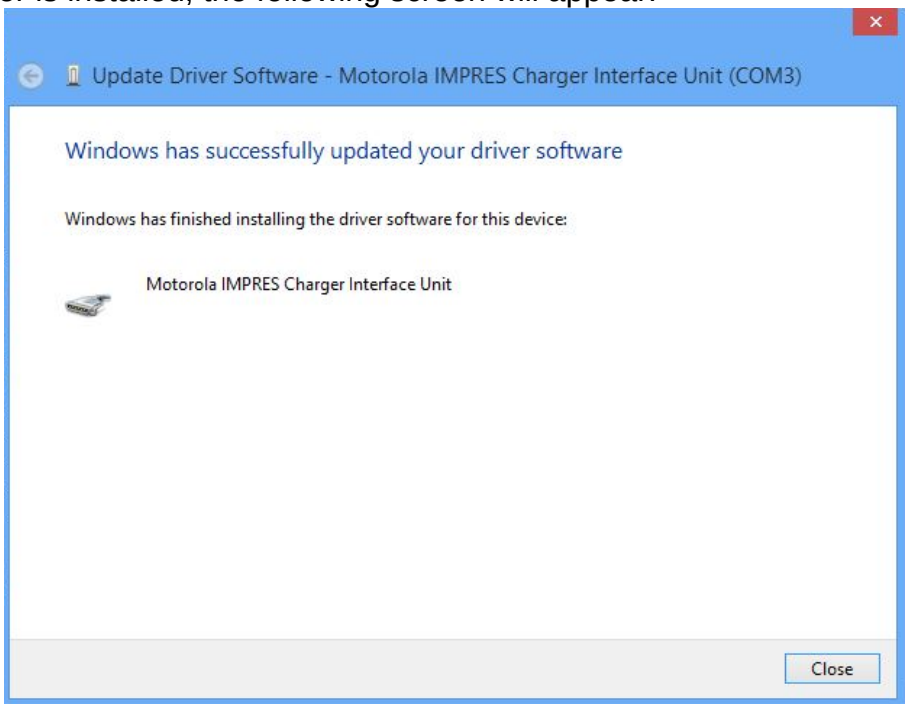


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7. After the driver is installed, the following screen will appear:



8. Click on **Close** to complete the driver installation.