

Honeywell Scanning & Mobility USB Serial Driver

Getting Started

The Honeywell Scanning & Mobility (HSM) USB Serial Driver is a CDC ACM driver that exposes HSM USB scanners as a virtual COM port to the operating system and applications.

Installing the HSM USB Serial Driver

1. Uninstall any previous installed Honeywell USB Serial Drivers.
2. Extract the driver files and identify the two different types of installs supported:
 - Install_86.bat – For installing on a 32-bit Operating System.
 - Install_64.bat – For installing on a 64-bit Operating System.

Note: When installing on Windows® Vista or Windows 7 Operating Systems, you must have Administrator privileges or you will be prompted for an Administrator password.

3. To run the install, either double click on the appropriate Install_xx.bat file or open a Command Prompt:

Start->Programs->Accessories->Command Prompt

4. If installing via the command prompt, change to the location to which you extracted your driver files and run the batch file appropriate for your Operating System. You will need to type the name of the .bat file to run the install.

Note: To avoid the standard windows warning messages ("Do you want to allow the following programs to make changes to this computer") with Windows Vista and Windows 7 Operating Systems, you must install via running the Command Prompt as an administrator.

*Select **Start->Programs->Accessories**, right click on the Command Prompt option, and select "Run as administrator." The command prompt window should say "Administrator: Command Prompt" in the title of the window.*

5. Connect one of the supported devices. The driver autoinstalls for the device.

Uninstalling the HSM USB Serial Driver

1. In the folder to which the driver files were extracted, identify the two different types of uninstalls supported:
 - Uninstall_86.bat – For uninstalling on a 32-bit Operating System.
 - Uninstall_64.bat – For uninstalling on a 64-bit Operating System.

Note: When uninstalling on Windows Vista or Windows 7 Operating Systems, you must have Administrator privileges or you will be prompted for an Administrator password.

2. To run the uninstall, either double click on the appropriate Uninstall_xx.bat file or open a Command Prompt:

Start->Programs->Accessories->Command Prompt

3. If uninstalling via the command prompt, change to the location to which you extracted your driver files and run the batch file appropriate for your Operating System. You will need to type the name of the .bat file to run the uninstall.

Note: To avoid the standard windows warning messages ("Do you want to allow the following programs to make changes to this computer") with Windows Vista and Windows 7 Operating Systems, you must uninstall via running the Command Prompt as an administrator.

*Select **Start->Programs->Accessories**, right click on the Command Prompt option, and select "Run as administrator." The command prompt window should say "Administrator: Command Prompt" in the title of the window.*

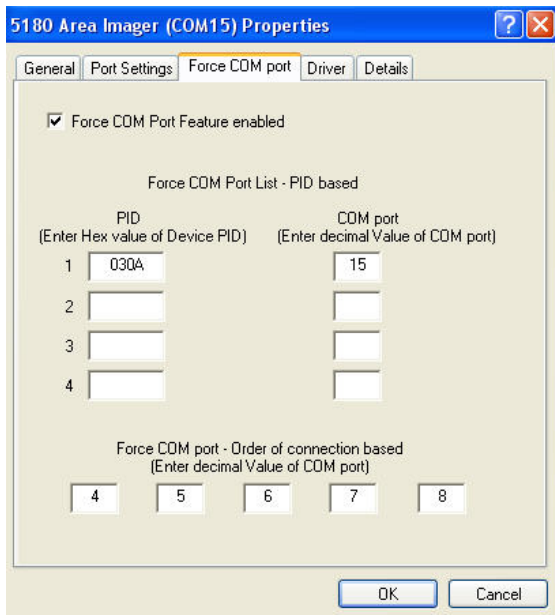
Configuring the HSM USB Serial Driver for Force COM Port

The Force COM Port feature of the HSM USB Serial driver allows a user to specify a particular COM port that an installed device will be assigned rather than having a COM port assigned via the standard Windows mechanism (Windows finds the next available COM port). This forced COM port value will be based on the settings of a shared **global forced COM port list**. This global forced COM port list is comprised of 2 parts:

- PID based list – Contains up to 4 forced COM port values based on a unique PID value of device (device MUST report the serial number to be in this list).
- Order of connection based list – Contains 5 default forced COM port values, which is based on the order in which the devices are connected.

You can access this global list via the property page of ANY installed device. All HSM USB Serial Driver-supported devices installed on your machine have a property page to enable/disable/modify the global forced COM port list. Since this list is shared by all installed devices, a setting change on one device's Force COM port property page will be reflected on all of the installed devices' Force COM port property pages. The Force COM Port feature is **disabled** by default.

The Force COM port property page can be accessed via **System Properties->Hardware->Device Manager**. This property page can be viewed either via **View->Devices by type->Ports (COM & LPT)** or **View->Devices by connection->Honeywell control device**. Either view will give you access to the Force COM port property page tab of a device. The screen shot below shows a sample Force COM port property page.



Modifying settings on the Force COM Port property page will result in the updating of 2 registry keys:

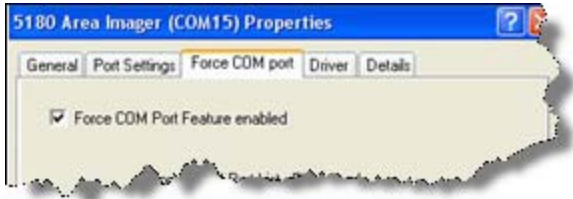
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Honeywell_CDC\Parameters\ForceComPortsEnable
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Honeywell_CDC\Parameters\ForceComPortsList

Force COM Port Property Page Details

The Force COM Port Property page contains the following three sections:

Force COM Port Feature enabled -- Enables the feature globally for the driver. When this feature is disabled, the corresponding Force COM Port property page for every installed device will be disabled, and the driver will NOT use the Forced COM port features. When this feature is enabled, the driver will determine the Forced COM port as follows:

- 1) If the device's PID is in the **global forced COM port list**, the device will be assigned that particular COM port associated with that PID (see Force COM Port List – PID based section below).
- 2) If the device's PID is not in the **global forced COM port list**, the device will be assigned a COM port number based on the default values in the **global forced COM port list** (see Force COM Port List – Order of connection based section below). If all of the COM ports in the default COM port list are in use, the device will be assigned a COM port number through the standard Windows mechanism.



Force COM Port List - PID based This list can consist of up to 4 device PIDs and a corresponding COM port number. The device **MUST** report a serial number to be in this list. To force a device to be assigned a specific COM port, you must enter the Hex value for the device's PID (under the PID column) and the decimal value for the COM port (under the COM port column). Note you can repeat the same PID value if, for example, you have 2, 3, or 4 of the same devices you would like to force to particular COM ports. In this case the first device installed would be assigned the first COM port value, the second device the second COM port value, etc. This list is **NOT** defaulted with any values.

Force COM Port List - PID based	
PID (Enter Hex value of Device PID)	COM port (Enter decimal Value of COM port)
1 030A	15
2	
3	
4	

Force COM Port List – Order of connection based The entries consists of 5 COM port numbers that will be assigned to the first 5 devices installed. To assign the values of 5 COM ports, enter the decimal values in the boxes. This is typically used when a device does not report a serial number. The first device connected is assigned the first COM port value in the list, the second device connected is assigned the second COM port value in list, etc. This list is defaulted with COM port values 4 through 8.

Force COM port - Order of connection based (Enter decimal Value of COM port)				
4	5	6	7	8

Technical Assistance

If you need assistance installing or troubleshooting your device, please call your distributor or the nearest technical support office:

North America/Canada

Telephone: (800) 782-4263

E-mail: hsmnasupport@honeywell.com

Latin America

Telephone: (803) 835-8000

Telephone: (800) 782-4263

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Brazil

Telephone: +55 (11) 5185-8222

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Online Technical Assistance

You can also access technical assistance online at www.honeywellaidc.com.