

## Galaxy USB Enrollment Reader Install

- ❖ Installing CDM Driver
- ❖ Configuring Port Settings
- ❖ Configuring System Galaxy Port Setting



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## REVISION HISTORY

REV. #	DATE	REVISION
1.0	7/3/2012	How to install the USB Driver for the Galaxy Enrollment Reader.
1.1	11/28/2012	How to configure the USB Driver on a Windows-7 operating system
1.2	4/2/2019	Removed references to XP.

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# Installing Galaxy USB Enrollment Reader & Drivers

This guide covers installing the Galaxy USB Enrollment Reader and CDM Driver.

## COMPATIBILITY

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- captures the 200-bit FASC-N
- supported in System Galaxy v10.2 (or higher)
- supported on Windows 10 | 8.1

## ORDERING

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The **Enrollment Reader** comes mounted on the **Galaxy USB Reader Base**. The USB cable and the plug-in transformer are included in the purchase.

- ▶ Your enrollment reader must match the readers in your facility.
- ▶ Check with **Customer Service** for the 2-step ordering instructions.
- ▶ See the **Galaxy Price List** for current pricing.
- ▶ You can also order replacement transformers separately.
- ▶ For government-issued enrollment, see the **CAC Guide** and the **Price List CAC section**.

**Step-1. Specify the Galaxy USB Reader Base (US or Euro).**

92-0510-00	USB Enrollment Base with USB cable and US Transformer (base only)
92-0520-00	USB Enrollment Base with USB cable and Euro Transformer (base only)

**Step-2. Specify the Enrollment Reader to be mounted on your base.**

P300HA	Farpointe P-300HA Cascade Prox Reader
90-5400-00	HID 6005 Prox Point
900NTNNEK00000	HID iCLASS R-10 Read Only, Contactless Smart Card Reader
921NTNNEK000584	HID iCLASS RK-40 Read Only, Contactless Smart Card Keypad Reader
PR10	Allegion PR10 XceedID Prox, Mini-Mullion
MT15	Allegion MT15 Schlage Multi-Technology, single-gang / 200-bit
MT1575	Allegion MT1575 Schlage Multi-Technology, single-gang / 75-bit
90-0845-00	EZ Barcode Reader, indoor/outdoor, swipe

## PREREQUISITES

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- Galaxy USB Enrollment Reader must be ordered/purchased with the appropriate card reader attached. This reader should match the readers in your facility. See the current **Galaxy Price List** or the **Compatible Readers** section for details.
- The CDM Driver must be installed onto the PC that will perform the enrollment.
- (Win-7 support is dropped in SG11.2) On Windows-7 the **Load VCP option** must be enabled (ON) for the USB Port that the **Enrollment Reader** will use. Choose a USB Port that will not be shared and the reader will remain connected.

## INSTALL NOTICES

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**Manual Installation:** You must install the **CDM Driver** before you connect the **Galaxy USB Enrollment Reader** to the PC workstation. Disconnect reader to perform the manual installation. See Finding CDM Driver.



**Windows Online Driver Downloads:** Windows can download a compatible USB driver when you connect the **USB Enrollment Reader** to a PC that has an active internet connection. If a driver is not found, then you must manually install the **CDM Driver**.

## FINDING CDM DRIVER (for manual installation)

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The **CDM Driver** (CDM20824.exe) is available on one of two locations:

- **System Galaxy Software Install Suite Disk-2** – (x:\Drivers\GCS USB Enrollment Reader).
- **Galaxy Website** <http://www.galaxysys.com/techsupport-Drivers?id=9> (Dealer login needed).

## WINDOWS AUTOMATICALLY INSTALLING THE DRIVER

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1. Connect the USB Reader to a USB Com Port.
2. Windows will initiate a search for a compatible USB driver when the USB Reader is detected.
3. When the driver is updated, the USB Reader should start working.
4. You will need to identify which com port number is assigned in the PC Driver Manager. Then configure that same port as the Reader Source in System Galaxy.

## INSTALLING THE CDM DRIVER MANUALLY

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If Windows cannot find a driver online, or you do not have an active internet connection, you must manually install the CDM Driver.

1. Log on to Windows at your enrollment workstation (PC) using the Administrator logon. (You need administrator privileges to install the driver and configure your PC).
2. On Galaxy Software Install Disk-2, click **Browse Disk** near bottom of splash screen.

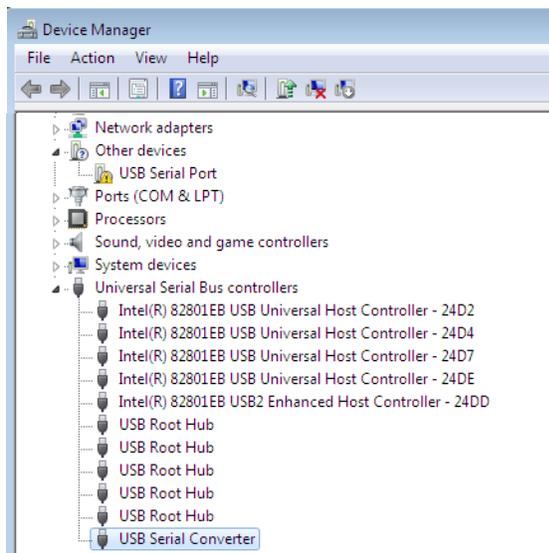


3. In the Drivers\GCS USB Enrollment Reader folder, copy or drag-and-drop the **CDM20824\_Setup.exe** file to the root of the PC 'C' drive. Do not attempt to run the file from the Disk or from the PC desktop.
4. Double-click the '**CDM20824\_Setup.exe**' file to execute the driver installation.
5. Connect the **USB Enrollment Reader** into a spare USB PORT on your PC.
  - Windows should automatically detect the USB Reader.
  - If you are on a Window-7 workstation, you must always use the same port which must be configured in Windows Device Manager. See next section.
  - The Galaxy USB Enrollment Reader uses a standard USB A/B cable.

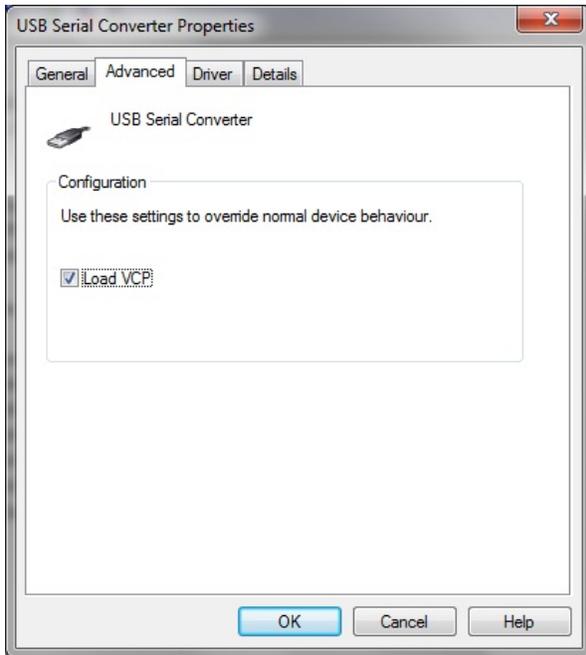
## FINDING THE READER USB PORT (Windows-7)

You must identify which USB Com Port that Windows has assigned to your USB Reader. Windows does this when you connect the reader.

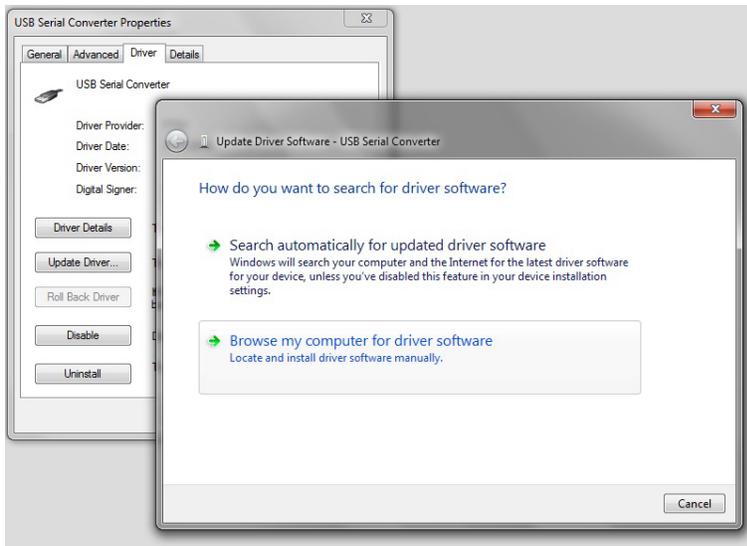
- You must determine which com port number the USB Reader is connected to.
  - You should always use this port. You should not share this port with another device.
  - For Windows-7 machines, you must additionally set the Load VCP option.
1. Click the Windows **START button** and type 'device manager' into the **search field** and select the **Device Manager** option from the start menu when it pops into the menu list.
    - **If using View by Category:** Click Windows **START button** and select the **Control Panel** from the menu, then select **Hardware and Sound**, and finally select **Device Manager** option.
    - **If using View by Icons:** Click the Windows **START button** and select the **Control Panel** from the menu, then select the **Device Manager** option.
  2. In Device Manager window, expand **Universal Serial Bus Controllers** branch. Then right-click the **USB Serial Converter** and select **Properties** from the menu.



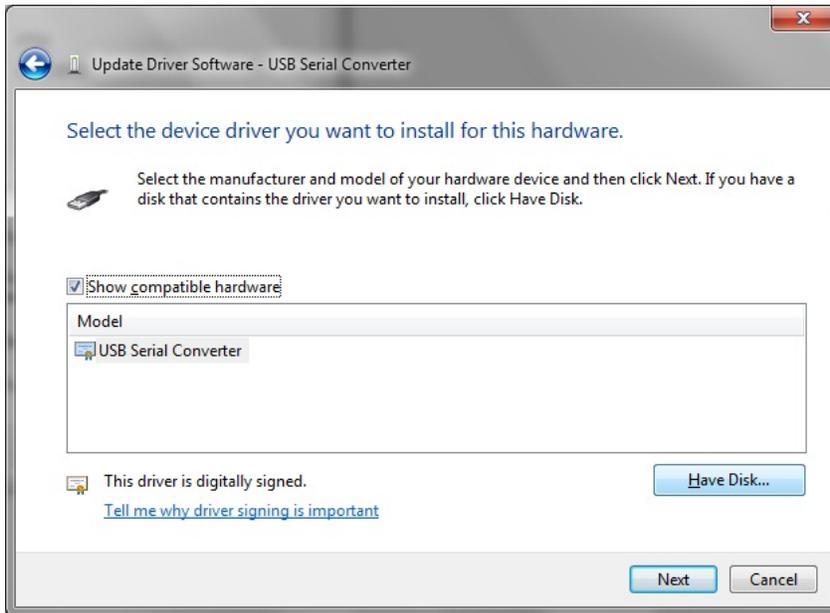
3. (Windows-7) Select the Advanced Tab and check the **Load VCP** option.



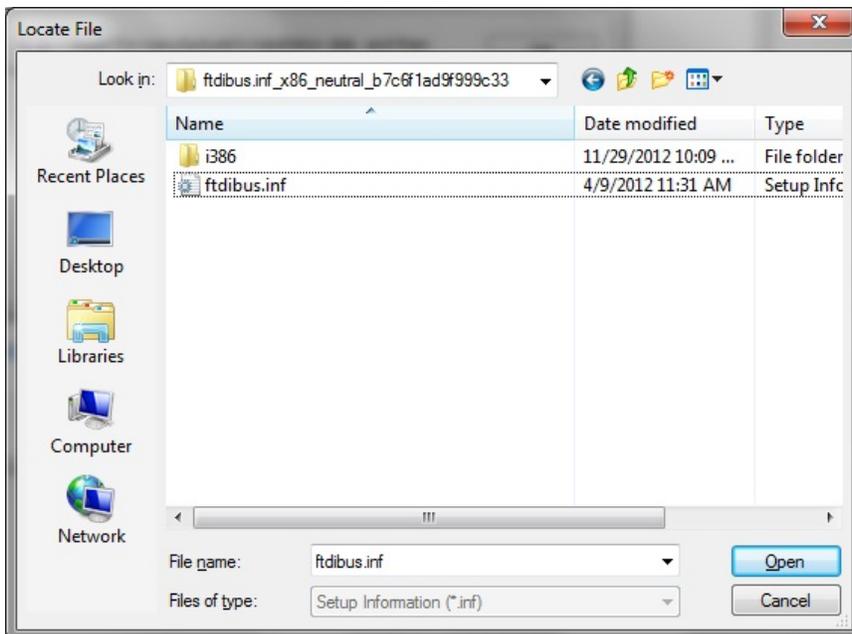
4. Select the Driver tab, click the **Update Driver** button, and select [Browse my computer ...].



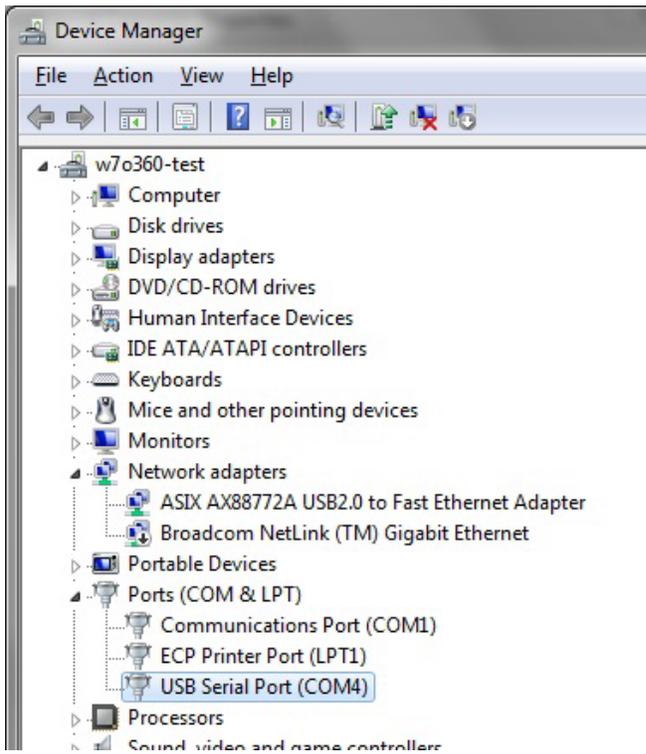
5. Click the [Have Disk...] button



6. Browse to **C:\Windows\System32\DriverStore\FileRepository\ftdibus.inf**. Select the ftdibus.inf and click Open button. The driver should be installed.



7. Refresh the **Device Manager** and confirm that you can see the *USB Serial Port* is now assigned to a COM Port number. Note the COM Port number that is now assigned to the USB device.



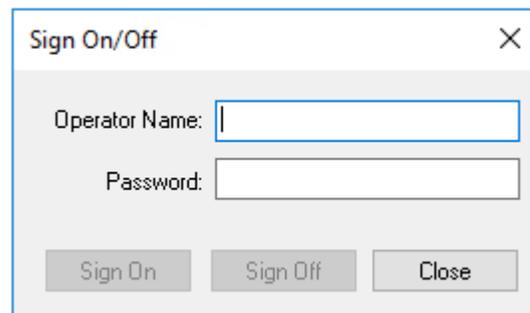
## ASSIGNING THE USB READER IN GALAXY

System Galaxy must be configured to use the correct COM Port that was assigned to the reader during the installation process.

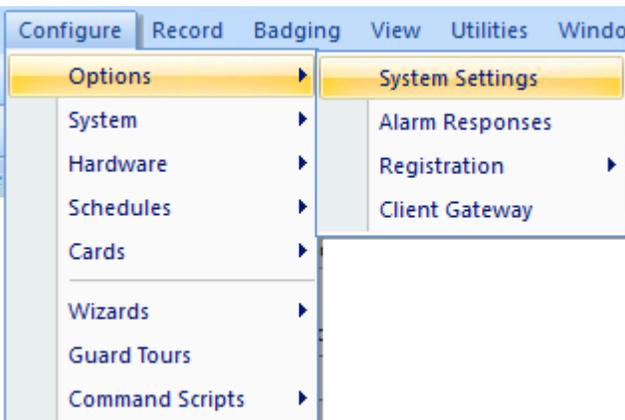
- The USB Enrollment Reader must be connected before you launch System Galaxy.
- You must have already installed the USB device driver and configured any related options.
- You must sign-in to SG as a **master operator** to edit system settings.

1. On the PC desktop, double-click the **System Galaxy shortcut** to launch System Galaxy.

TIP: You created a master login account the first time you launched System Galaxy.

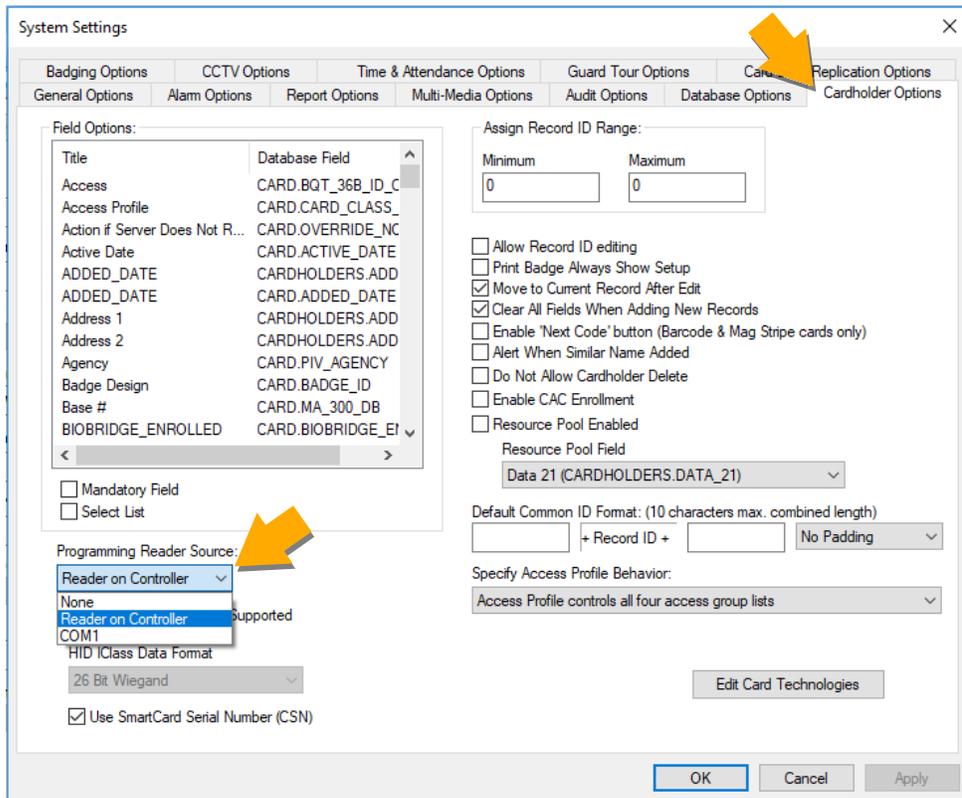


2. From the menu, choose **Configure > Options > System Settings** to open System Settings screen.

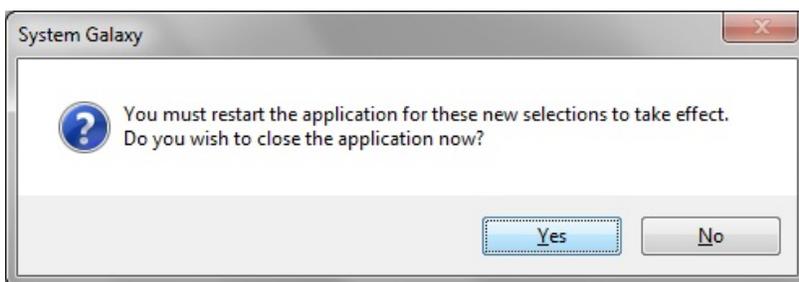


- On the **Cardholder Options** tab, select the appropriate **Programming Reader Source** (port) for your USB Enrollment Reader. This is based on the COM Port number you observed in the Device Manager screen during Step-7 of the prior section. *This is a system-wide setting.*

**TIP:** You can change the Programming Reader Source from this screen as needed. *If for any reason the PC changes the com port number that is assigned to the physical PC USB Port, you can return to the Device Manager window to identify which port number is now being assigned, then change it in System Settings to match.*



- Click **APPLY** and **OK**.
- Then click **YES** to restart the Galaxy software to make changes effective. You should now be able to use the enrollment reader to enroll cards in the System Galaxy Cardholder Screen.



**USER GUIDES:** See the **System Galaxy Software User Guide** for enrolling non-government cards.