System Galaxy Install Guide

Galaxy USB Enrollment Reader Install

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



This is a Galaxy technical guide. Information herein is subject to change without notice.

No part of this document may be reproduced, copied, adapted, or transmitted, in any form or by any means, electronic or mechanical, for any purpose, without the express written consent of Galaxy Control Systems. Copyright protection claims include all forms and matters of copyrighted material and information, including but not limited to, material generated from the software programs, which are displayed on the screen such as icons, look and feel, etc.

Copyright © 2012 • Galaxy Control Systems • All rights reserved

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

Galaxy Control Systems

email: info-usa@galaxysys.com website: www.galaxysys.com

Table of Contents

Installing Galaxy USB Enrollment Reader & Drivers4
COMPATIBILITY4
ORDERING4
PREREQUISITES
INSTALL NOTICES
FINDING CDM DRIVER (for manual installation)5
WINDOWS AUTOMATICALLY INSTALLING THE DRIVER6
INSTALLING THE CDM DRIVER MANUALLY6
FINDING THE READER USB PORT (Windows-7)7
ASSIGNING THE USB READER IN GALAXY11

Installing Galaxy USB Enrollment Reader & Drivers

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

COMPATIBILITY

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

ORDERING

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

- 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

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)

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 <u>http://www.galaxysys.com/techsupport-Drivers?id=9</u> (Dealer login needed).

WINDOWS AUTOMATICALLY INSTALLING THE DRIVER

- 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

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.



- 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.

USB Serial Converter Properties	×
General Advanced Driver Details	
USB Serial Converter	
Configuration	
Use these settings to override normal device behaviour.	
I Load VCP	
OK Cancel Help	

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



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

🔰 👖 Upd	late Driver Software - USB Serial Converter	
Select	the device driver you want to install for this hardware Select the manufacturer and model of your hardware device and the disk that contains the driver you want to install, click Have Disk.	n click Next. If you have a
Model	i I B Serial Converter	
Th <u>Te</u>	nis driver is digitally signed. Il me why driver signing is important	Have Disk

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

Locate File	_		and the second second	×
Look <u>i</u> n:	🔒 ftdibus.inf_>	86_neutral_b7c6f1ad9f999c33	- 3 🕫 📂 🖽 -	
Pe	Name	*	Date modified	Туре
2	🍌 i386		11/29/2012 10:09	File folder
Recent Places	💼 ftdibus.inf		4/9/2012 11:31 AM	Setup Info
Desktop Libraries				
Computer				
	•			+
Network	File <u>n</u> ame:	ftdibus.inf	-	Open
	Files of type:	Setup Information (*.inf)		Cancel

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.

System Galaxy	Sign On/Off	×
	Operator Name:	
	Password:	
	Sign On Sign Off Close	

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



3. On the **Cardholder Options tab**, select the appropriate **Programming Reader Source** (port) for your USB Enrollment Reader. This is based 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.

Badging Options CCTV (Options Time	& Attendance Options	Guard Tour Options	Cano Replic	ation Options
eneral Options Alarm Options	s Report Options	Multi-Media Options	Audit Options Datab	ase Options 📑 Card	Iholder Options
Field Options:		Assign Re	ecord ID Range:		
Title Access Access Profile Action if Server Does Not R Active Date ADDED_DATE ADDED_DATE Address 1 Address 1 Address 2 Agency Badge Design Base # BIOBRIDGE_ENROLLED < Mandatory Field Select List Programming Reader Source; Reader on Controller None Reader on Controller COM1 HID IClass Data Bramat D & B Witnered	Database Field CARD.BQT_36B_ID CARD.CARD_CLAS CARD.ACTIVE_DAT CARD.ACTIVE_DAT CARD.HOLDERS.AC CARD.ADDED_DAT CARDHOLDERS.AC CARD.HOLDERS.AC CARD.HOLDERS.AC CARD.BADGE_ID CARD.BADGE_ID CARD.BLOBRIDGE_	C C C C C C C C C C C C C C C C C C C	Maximum 0 accord ID editing dge Always Show Setup 0 Current Record After Edit Fields When Adding New R Next Code' button (Barcode en Similar Name Added Allow Cardholder Delete CAC Enrollment ac Pool Enabled rce Pool Field 21 (CARDHOLDERS.DATA mmon ID Format: (10 charact) + Record ID + cess Profile Behavior: ofile controls all four access of	21) V ers max. combined ler No Pad	nly) ngth) ding ~
	L (CCN)			Euil Caru Technologie	15
Use SmartCard Serial Nun	nber (CSN)				

- 4. Click **APPLY** and **OK**.
- 5. 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.

System Gal	аху		×	
?	You must restart the applica Do you wish to close the ap	ition for these new select plication now?	tions to take effect.	
		Yes	<u>N</u> o]



USER GUIDES: See the **System Galaxy Software User Guide** for enrolling nongovernment cards.