Gemalto Bluetooth Device Manager

Version 2.2.43

Integration Guide



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CHAPTER 1 Overview

The Gemalto Bluetooth Device Manager (GBDM) application for Windows 7, 8.1 and 10, and the Bluetooth Smart Card Reader Manager for Mac use the standard PCSC interface to communicate transparently with SafeNet Reader CT1100, SafeNet Reader K1100 and Ezio Bluetooth Reader.

The GBDM for Window (7, 8.1 and 10) and Mac provides a PC/SC compliant way to operate with Gemalto Bluetooth smart readers. Any application using the Microsoft Windows native PC/SC layer can communicate with a smart card via the Gemalto Bluetooth reader as easily as a USB reader.

A corporate application will provide smart card logon, email signature & encryption, SSL authentication and more.

An eBanking application will provide transaction signing operations between the reader and an online eBanking server.

Prerequisites

- .Net Framework 4.5.1 must be installed.
- Update your operating system with the latest Microsoft updates.

Audience

This document is intended for Administrators and Integrators.

Supported Operating Systems

The following Windows operating systems are supported:

- Windows 7 SP1 (32-bit, 64-bit)
- Windows 8.1 (32-bit, 64-bit)
- Windows 10 (32-bit, 64-bit)

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NOTE: Windows 7 and 8.1 must be used with a Bluegiga dongle.

The following Mac operating systems are supported:

- OS X 10.10 Yosemite
- OS X 10.11 El Capitan

Supported Gemalto Bluetooth Smart Readers

The Gemalto Bluetooth Device Manager (GBDM) operates with the following readers:

- SafeNet Reader CT1100 (Smart Card badge holder)
- SafeNet Reader K1100 (Smart Card Token)
- Ezio Bluetooth Reader

CHAPTER 2 Installing Windows and Mac Components

This chapter contains information about how to install the Gemalto Bluetooth Device Manager (GBDM) on Windows 7, Windows 8.1 and Windows 10 operating systems.

Installation File Names and Product Version Numbers

The installation package can be accessed from the following link: http://support.gemalto.com/index.php?id=download_driver_bluetooth_reader

Operating System	Installation File Name	Product Version Number
Windows 7 and 8.1	Setup.exe BLE_Devices_Bundle_Win7_Win8_2.2.43.msi	2.2.43
Windows 10	BLE_Devices_Bundle_Win10_2.2.43.msi	2.2.43
Мас	Bluetooth Smart Card Reader Manager.dmg	1.0.9

Installing the GBDM on Windows Operating Systems

The GBDM is a middleware service, which allows the Bluetooth dongle to communicate with readers.

The GBDM provides the link & the logic between the Gemalto PC/SC driver & the Gemalto Bluetooth smart reader. The GBDM is launched automatically when the operating system is started and runs in the background as long as Windows is running. It is visible in your system Services, and on the system tray bar.

Installing the GBDM will also install the Bluegiga Bluetooth Low Energy dongle driver (on Windows 7 and 8.1) as well as the Gemalto PC/SC Virtual driver (V1.1.2.0).

It is recommended that you enable the USB Wake Support feature by installing the ControlVault driver and firmware on your DELL laptop (The relevant links are available in the Bluetooth_Device_Manager_Release Notes), or by using the system BIOS on DELL laptops.

For more intomation, see the Gemalto_Bluetooth_Device_Manager_Customer Release Notes.



NOTE: The Bluegiga dongle is used only on Windows 7 and 8.1 (It is not used on Windows 10).

During the GBDM installation, ensure that the Bluegiga Bluetooth Low Energy dongle is disconnected. After the GBDM has been installed, perform the following:

1. Connect the Bluetooth Low Energy dongle. The Device Setup window opens.

Installing Blu	legiga Bluetooth Low Energy (COM3)
installing blu	
0	Please wait while Setup installs necessary files on your system. This may take several minutes.
$ \rightarrow $	

- 2. Let the installation run and complete automatically.
- 3. Restart your operating system.

To install the Gemalto Bluetooth Device Manager:

This installation will install the Gemalto Bluetooth Device Manager (GBDM).

- 1. From the files provided by Gemalto, double-click either one of the following file names:
 - On Windows 7 and 8.1, double-click the **BLE_Devices_Bundle_Win7_Win8_2.2.xx.msi** file.
 - On Windows 10, double-click the BLE_Devices_Bundle_Win_10_2.2.xx.msi file.

The Welcome to the Bluetooth Low Energy Devices Bundle Installation Wizard window opens.

Bluetooth Low Energy Devices Bundle - InstallShield Wi		
0	Bluetooth Low Energy Devices Bundle Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.	
Configur	ring Windows Installer	
	Cancel	

The Preparing to install... window opens.

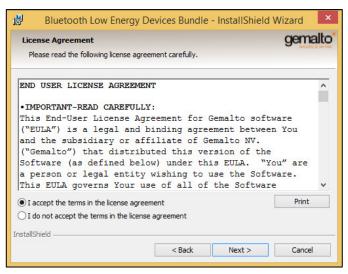


The Bluetooth Low Energy Devices Bundle – InstallShield Wizard window opens.

👸 🛛 Bluetooth Low E	🖁 🔋 Bluetooth Low Energy Devices Bundle - InstallShield Wizard 📃 💌	
gemalto	Welcome to the InstallShield Wizard for Bluetooth Low Energy Devices Bundle	
	The InstallShield(R) Wizard will install Bluetooth Low Energy Devices Bundle on your computer. To continue, click Next.	
	WARNING: This program is protected by copyright law and international treaties.	
	< <u>B</u> ack Next > Cancel	

2. Click Next.

The License Agreement window opens.



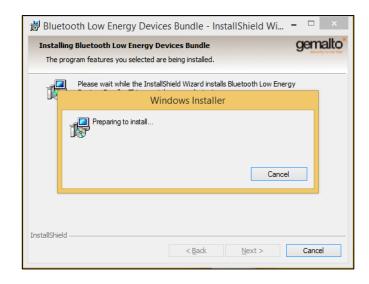
3. Select I accept the terms in the license agreement and click Next. The Ready to Install the Program window opens.

1	Bluetooth Low Energy Devices Bundle - InstallShield Wizard	×
Re	eady to Install the Program gem	alto
1	The wizard is ready to begin installation.	
0	Click Install to begin the installation.	
	If you want to review or change any of your installation settings, click Back. Click Cancel the wizard.	0
Instal	Ishield	
2.10.001	< <u>B</u> ack Install Cance	I

4. Click Install.

The Installing Bluetooth Low Energy Devices Bundle window opens and the installation begins.

🛃 Blueto	oth Low Energy Devices Bundle - InstallShield Wi – 🗖 💌	
	Bluetooth Low Energy Devices Bundle genetic and a second s	×
P	Please wait while the InstallShield Wizard installs Bluetooth Low Energy Devices Bundle. This may take several minutes.	
	Status:	
	Writing system registry values	
InstallShield -		
1150013111010 -	< <u>B</u> ack <u>N</u> ext > Cancel	



During the installation process, a security window opens asking if you would like to install the Bluegiga device software. This window is relevant only to Windows 7 and 8.1.





NOTE: Ensure that the **Always trust software from "Bluegiga Technologies Oy**" check box is selected.

When running the BLE_Device_Bundle.msi installation in silent mode, the system requests that you confirm whether or not you trust the Bluegiga software.

Selecting the check box, followed by clicking Install confirms this.

This process is performed only once. If the BLE_Device_Bundle software is upgraded, or uninstalled and then re-installed, the user will not be prompted with the **Always trust software from "Bluegiga Technologies Oy"** check box again.

To work around this, the IT division can trust the Bluegiga certificate via the Group Policy Object (before the BLE_Device_Bundle is installed) using the Trusted Publishers certificate store.

5. Click Install.

The InstallShield Wizard Complete window opens.

😥 🛛 Bluetooth Low Er	nergy Devices Bundle - InstallShield Wizard
gemalto	InstallShield Wizard Completed
	The InstallShield Wizard has successfully installed Bluetooth Low Energy Devices Bundle. Click Finish to exit the wizard.
	< Back Einish Cancel

6. Click Finish.

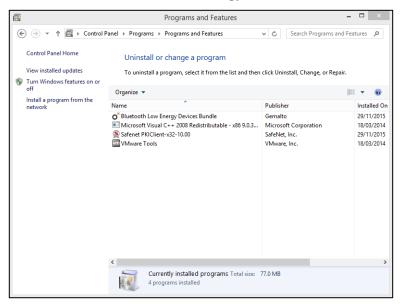
The Gemalto Bluetooth Device Manager appears in the system tray.

Depending on how your system is set up, the icon may also appear in your hidden system tray notification

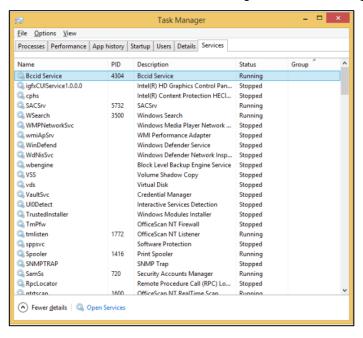
area. Click to open the hidden icons.



7. Ensure that the Bluetooth Low Energy Devices Bundle exists under Programs and Features.



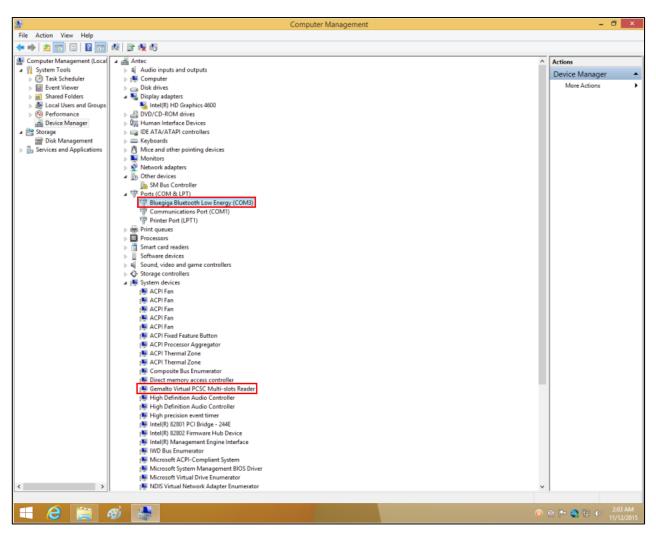
8. Ensure that the Bccid Service is running in the Task Manager window.



9. Ensure that the Bluegiga Bluetooth Low Energy (e.g. COM3) exists under Computer Management>Device manager>Ports (COM & LPT).

NOTE: This window is relevant only to Windows 7 and 8.1.

On a Windows 10 Operating System only the Gemalto Virtual PC/SC Multi-slots Reader is installed.



10. Ensure that Gemalto Virtual PC/SC Multi-slots Reader appears under Computer Management>Device Manager>System Devices.



B

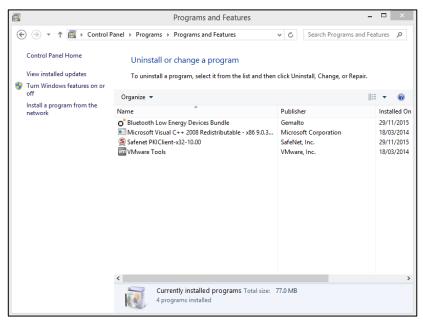
NOTE: Ensure the latest version of Gemalto Virtual PC/SC Multi-slots Reader is V1.1.2.0 by right-clicking **Gemalto Virtual PC/SC Multi-slots Reader>Properties>Driver**.

Your SafeNet Reader CT1100, SafeNet K1100 and Ezio readers are now ready to work with the operating system.

Uninstalling the GBDM from Windows Operating Systems

The GBDM can be uninstalled by removing the **Bluetooth Low Energy Devices Bundle** from Add Remove Programs.

1. Go to Control Panel>Programs>Programs and Features, right-click Bluetooth Low Energy Devices Bundle and select Uninstall.



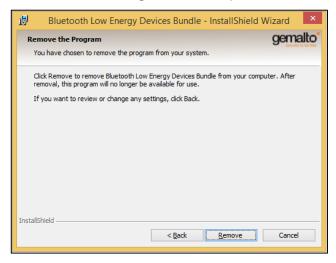
The Bluegiga Driver files are uninstalled (on Windows 7 and 8.1), followed by the GBDM files.



2. On the InstallShield Wizard window, click Next.

🛃 🛛 Bluetooth Low E	nergy Devices Bundle - InstallShield Wizard
gemalto	Welcome to the InstallShield Wizard for Bluetooth Low Energy Devices Bundle
	The InstallShield(R) Wizard will allow you to remove Bluetooth Low Energy Devices Bundle. To continue, dick Next.
	< Back Next > Cancel

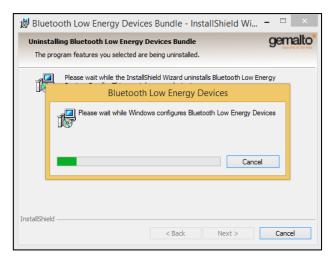
The Remove the Program window opens.



3. Click Remove.

The Uninstalling Bluetooth Low Energy Devices Bundle window opens.

😼 Bluetoo	oth Low Energy Devices Bundle - InstallShield Wi 🗕 🗆 💌
	ing Bluetooth Low Energy Devices Bundle generation are being uninstalled.
i 🛃	Please wait while the InstallShield Wizard uninstalls Bluetooth Low Energy Devices Bundle. This may take several minutes.
	Status:
InstallShield –	
	< Back Next > Cancel



The Install Shield Wizard Completed window opens.

😥 🛛 Bluetooth Low E	nergy Devices Bundle - InstallShield Wizard ×
gemalto	InstallShield Wizard Completed
	The InstallShield Witzard has successfully uninstalled Bluetooth Low Energy Devices Bundle. Click Finish to exit the wizard.
	< <u>B</u> ack Einish Cancel

4. Click Finish.

Installing the GBDM on Mac

This section contains information on how to install the GBDM on a Mac Operating System.

To install the GBDM on a Mac:

1. From the files provided by Gemalto, double-click the Bluetooth Smart Card Reader Manager.dmg file.

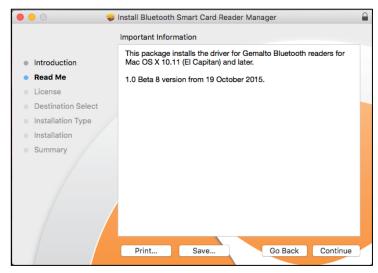


2. The Welcome to the Bluetooth Smart Card Reader Manager Installer (Introduction) window opens.

🕒 🕒 😌 Install Bluetooth Smart Card Reader Manager			
	Welcome to the Bluetooth Smart Card Reader Manager Installer		
Introduction	You will be guided through the steps necessary to install this software.		
Read Me	soltware.		
License			
Destination Select			
Installation Type			
Installation			
Summary			
	Go Back Continue		

3. Click **Continue**.

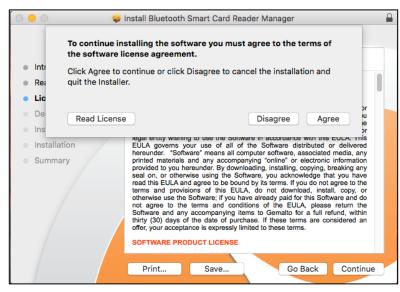
The Read Me window opens.



4. Click **Continue**. The **End User License Agreement** window opens.

● ● ○ 😺 Install Bluetooth Smart Card Reader Manager					
	Software License Agreement				
Introduction	English				
Read Me	END USER LICENSE AGREEMENT				
License					
Destination Select	IMPORTANT-READ CAREFULLY: This End-User License Agreement for Gemalto Software ("EULA") is a legal and binding agreement between you				
Installation Type	and a subsidiary or affiliate of Gemalto N.V. ("Gemalto") that distributes the Software (as defined below) governed by this EULA. "You" are a person or				
Installation	legal entity wishing to use the Software in accordance with this EULA. This EULA governs your use of all of the Software distributed or delivered home according to the software according to the soft				
Summary	hereunder. "Software' means all computer software, associated media, any printed materials and any accompanying 'online' or electronic information provided to you hereunder. By downloading, installing, copying, breaking any seal on, or otherwise using the Software, you acknowledge that you have read this EULA and agree to be bound by its terms. If you do not agree to the terms and provisions of this EULA, do not download, install, copy, or otherwise use the Software; if you have already paid for this Software and do not agree to the terms and conditions of the EULA, please return the Software and any accompanying items to Gematio for a full refund, within thirty (30) days of the date of purchase. If these terms and considered an offer, your acceptance is expressly limited to these terms. SOFTWARE PRODUCT LICENSE.				
	Print Save Go Back Continue	5			

5. Click Continue, and then click Agree.



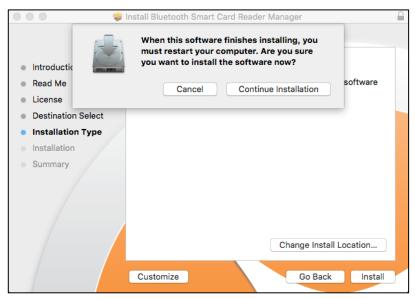
The Installation Type window opens.

0 0	Install Bluetooth Smart Card Reader Manager	
Standard Install on "El Capitan"		
IntroductionRead MeLicense	This will take 856 KB of space on your computer. Click Install to perform a standard installation of this software on the disk "El Capitan".	
 Destination Select 		
Installation Type Installation		
 Summary 		
	Change Install Location	
	Customize Go Back Install	

6. Click Install, enter your Username and Password and then click Install Software.

Installer is trying to install new software.		
Username:	user	
Password:		
	Cancel Install Software	

7. Click Continue Installation.



8. Click Install again.

The **Summary** window opens.

😑 😑 💿 🥪 Install Bluetooth Smart Card Reader Manager		
	The installation was completed successfully.	
 Introduction Read Me License Destination Select Installation Type Installation Summary 	The installation was successful. The software was installed.	
	Click Restart to finish installing the software. Go Back Restart	

Uninstalling the GBDM from Mac

This section contains information on how to uninstall the GBDM from a Mac Operating System.

To uninstall the GBDM from a Mac with El Capitan:

- 1. Go to /usr/local/libexec/SmartCardServices/drivers and delete the file ifd-bccid.bundle.
- 2. Open the Applications folder and delete Bluetooth Smart Card Reader Manager.app.

To uninstall the GBDM from a Mac with Yosemite:

- 1. Go to /usr/libexec/SmartCardServices/drivers and delete the file ifd-bccid.bundle.
- 2. Open the Applications folder and delete **Bluetooth Smart Card Reader Manager.app.**



NOTE: After deleting the file: ifd-bccid.bundle on both El Capitan and Yosemite, reboot your Mac system. This ensures that the reader is not visible at the PC/SC level.

CHAPTER 3 The Pairing Process

Use the Gemalto Bluetooth Device Manager application to manage and configure paired readers.

The following may be performed using the Gemalto Bluetooth Device Manager:

- Detect & pair new readers
- List already paired readers
- Connect & disconnect manually to paired reader
- Configure the settings on a paired reader
- Remove a paired reader

The tool is available as an icon from the system tray. Click on the icon to display the main interface of the application. When the tool opens, and a device was already paired, the list of available paired devices is displayed.

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NOTE: Only one reader can be connected at a time. To switch between smart card readers, be sure to disconnect the one that's connected before connecting a new one. For details on how to disconnect the smart card reader, see the section: Connecting/Disconnecting the Smart Card Reader on page 32

Connecting the Dongle

Connect the relevant dongle to the USB Port as follows:

- Window 7 and 8.1 Dongle Bluegiga BLED112 USB.
- Mac Native Built-In Bluetooth Low Energy.



NOTE: If your Mac computer has a Bluetooth chip that does not support Bluetooth Low Energy (BLE), a message will be displayed.

Hardware Pairing on Windows 10

Ensure that your Windows 10 PC has native built-in Bluetooth hardware. Hardware pairing must be performed on Windows 10 systems before software pairing.

Hardware pairing is performed only once.

Follow the procedure below to establish a connection between the computer and the relevant SafeNet reader.

To perform hardware pairing on Windows 10:

1. Insert the smart card into the SafeNet Reader CT1100, and press the button on the reader.

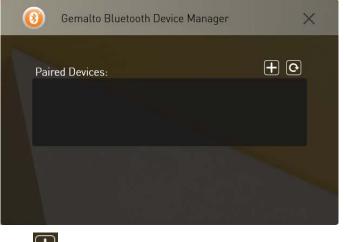
The red and blue lights are turned on for a second. Thereafter the red light turns off, while the blue light continues to flicker slowly.

2. On the Ezio Bluetooth Reader perform the following:

Press OK and ensure the device is set in Bluetooth mode (i.e. the Bluetooth switch is in the upper position).

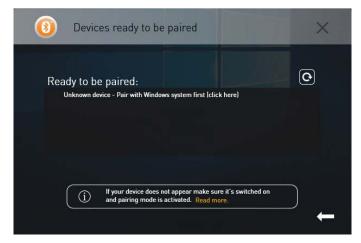
3. Open the Gemalto Bluetooth Device Manager application by clicking the icon in the system tray

The Gemalto Bluetooth Device Manager window opens.



4. Click

The Devices ready to be paired window opens.



5. Click Unknown device - Pair with Windows system first [click here].

The Manage Bluetooth devices window opens.

← Settings			-	٥	×
🔅 DEVICES		Find a setting	_	_	P
Printers & scanners Connected devices Bluetooth Mouse & touchpad Typing	Manage Bluetooth devices Your PC is searching for and can be discovered by Bluevices. T-003832 Ready to pair Smart Reader Ready to pair	by Bluetooth			
AutoPlay	Related settings More Bluetooth options	Pair			

6. Select the device you want paired and click Pair.

The hardware pairing process begins.

← Settings	- o ×
🔅 DEVICES	Find a setting
Printers & scanners	Manage Bluetooth devices
Connected devices	Your PC is searching for and can be discovered by Bluetooth
Bluetooth	devices.
Mouse & touchpad	Smart Reader
Typing	T-003832
AutoPlay	keady to pair
	Related settings
	More Bluetooth options

7. Your device appears as connected.

← Settings	– a ×
🔅 DEVICES	Find a setting
Printers & scanners	Manage Bluetooth devices
Connected devices	Your PC is searching for and can be discovered by Bluetooth
Bluetooth	devices.
Mouse & touchpad	Smart Reader Connected
Typing	T-003832 Ready to pair
AutoPlay	Ready to pail
	Related settings
	More Bluetooth options

The device appears as connected and after approximately 10 seconds the device status changes to paired indicating that the hardware pairing process completed successfully.

← Settings	o
🔯 DEVICES	Find a setting
Printers & scanners	Manage Bluetooth devices
Connected devices	Your PC is searching for and can be discovered by Bluetooth
Bluetooth	devices.
Mouse & touchpad	Smart Reader Paired
Typing	Remove device
AutoPlay	T-003832 Ready to pair
	Related settings
	More Bluetooth options

The device is now ready to be paired with the GBDM.

Pairing SafeNet Reader CT1100

NOTE: The SafeNet Reader K1100 is paired the same way as the SafeNet Reader CT1100, except that no smart card is inserted into the SafeNet Reader K1100.

Follow the procedures below to pair your device.

To pair the SafeNet Reader CT1100:

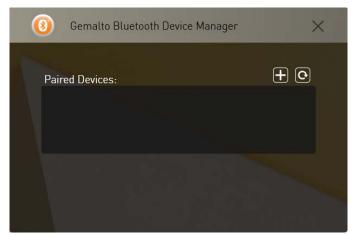
- 1. Insert the smart card into the SafeNet Reader CT1100.
- 2. Press the button on the SafeNet Reader CT1100.

The red and blue lights are turned on for a second. Thereafter the red light turns off, while the blue light continues to flicker slowly.

3. Open the Gemalto Bluetooth Device Manager by clicking the icon in the system tray.



The Gemalto Bluetooth Device Manager window opens.



Move the device to software pairing mode, by pressing the button on the device continuously (long press). The blue light begins to flicker fast and the paired smart card appears in the Ready to be paired window.



[¥]

The Devices ready to be paired window opens.

Bevices ready to be paired	×
Ready to be paired: Safenet Reader CT1100 0132	C
If your device does not appear make sure it's switched on and pairing mode is activated. Read more.	

5. Click the device name (Safenet Reader CT1100 0132).

The Device Successfully Connected window opens.

(3)	Safenet Reader CT1100 0132	×
	Device Successfully Connected!	₩
	Device name Safenet Reader CT1100 0132 (i) 🛛 AutoConnect	ОК
	Unpair device Cance	l connection

- 6. The AutoConnect checkbox is enabled by default. If you do not want the smart card reader to connect automatically next time, then be sure to uncheck this option.
- 7. Click OK.

The device will now appear as connected.

(3)	Gemalto Bluetooth Device Manager	×
	red Devices: Safenet Reader CT1100 0132 CONNECTED	PROPERTIES

Pairing the Ezio Bluetooth Reader

Follow the procedures below to pair your device.

To pair the Ezio Bluetooth Reader:

1. Open the Gemalto Bluetooth Device Manager by clicking the icon in the system tray, or open your hidden

notification area by clicking in the system tray.



The Gemalto Bluetooth Device Manager window opens.

(8)	Gemalto Bluetooth Device	Manager 🛛 🗙
Paire	ed Devices:	+ 0



2. Start the Ezio Bluetooth Reader by pressing **OK**. Ensure the device is set in Bluetooth mode (i.e. the Bluetooth switch is in the upper position).

A message is displayed: Waiting for connection.

3. Press Menu.

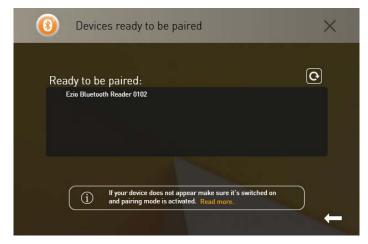
A message is displayed: 1=Enable pairing.

4. Press 1.

A message is displayed: Waiting for connection. The letter 'P' is displayed at the top of the LCD.

5. Click

The Devices ready to be paired window opens.



6. Select the reader displayed in the list.

The Ezio Bluetooth Reader - Pairing code window opens.

(3)	Ezio Bluetooth Reader 0102	×
~		
	Pairing code:	
	•••••• SEND	
L_		

7. Enter the pairing code displayed on your Ezio Bluetooth Reader and click Send.

The Device Successfully Connected window opens.

(3)	Ezio Bluetooth Reader 0102
	Device Successfully Connected! 🔀
	100%
	Device name
	Mark's Ezio Reader
	(į) ☑ AutoConnect
	Unpair device Cancel connection

- 8. Enter a **Device name**.
- 9. The AutoConnect check box is enabled by default. If you do not want the smart card reader to connect automatically next time, then be sure to uncheck this option.
- 10. Click **OK**.

Your device has been successfully connected.

Gemalto Bluetooth Device Manager	×
Paired Devices:	+ 0
Mark's Ezio Reader CONNECTED	PROPERTIES

Unpairing SafeNet Reader CT1100



NOTE: The SafeNet Reader K1100 is unpaired the same way as the SafeNet Reader CT1100.

Follow the procedures below to unpair your device.

To unpair the SafeNet Reader CT1100:

1. Double-click the Gemalto Bluetooth Device Manager icon.

The paired device window opens.

(3) Gemalto Bluetooth Device Manager	×
Paired Devices:	(+)
Sarah's Smart Card CONNECTED	PROPERTIES

Select the device, which you want to unpair from the list by clicking the device name.
 The Unpair device window opens.

(3)	Sarah's Smart Card	×
	Device name Sarah's Smart Card	
	(i) V AutoConnect	
	Unpair device Cancel connection	
	Sarah's Smart Card OK	

3. Click **Unpair the device**.

The **Confirmation** window opens.

UNPAIR DEVICE Do you want to unpair your Bluetooth device?	

- 4. Click Confirm. The device will now appear as ready to connect.
- 5. If you do not want to unpair the device, click **Cancel connection** to disconnect the device.

The **Disconnect Device** window opens.

(3) Confirmation	×
DISCONNECT DEVICE Do you want to disconn	ect your Bluetooth device?
ВАСК	CONFIRM

 Click Confirm. The SafeNet Reader CT1100 is disconnected. The Gemalto Bluetooth Device Manager window opens.

🔞 Ge	emalto Bluetooth Device Manager	×
	Devices: 's Smart Card	CLICK TO CONNECT

Working with more than one Smart Card Reader

Two Smart Card readers cannot be used at the same time. To be able to work with one reader, disconnect the reader that is not going to be used.

Gemalto Bluetooth Device Manag	ier >
Paired Devices:	+0
Sarah's Smart Card (CT1100) CONNECTED	PROPERTIES
	UNPAIR

This may be performed using either one of the following methods:

- Right-click the Gemalto Bluetooth Device Manager icon and select Disconnect.
- Open the **Gemalto Bluetooth Device Manager** by double-clicking the icon. Select the relevant reader and click **Cancel connection**.

Connecting/Disconnecting the Smart Card Reader

Follow the procedures below to connect and disconnect your smart card reader.

To connect a Smart Card reader:

Right-click the Gemalto Bluetooth Device Manager icon and select Connect.

Or,

1. Press the button on the SafeNet Reader CT1100.

The red and blue lights are turned on for a second. Thereafter the red light turns off, while the blue light continues to flicker slowly.

- 2. Open the Gemalto Bluetooth Device Manager.
- 3. Select the device that appears under Paired Devices.

To disconnect a Smart Card reader:

A Smart Card Reader can be disconnected by using either one of the following methods:

- Right-click the Gemalto Bluetooth Device Manager icon.
- Disconnecting via the Gemalto Bluetooth Device Manager.

To disconnect the Smart Card Reader via the Gemalto Bluetooth Device Manager icon:

- 1. Right-click the Gemalto Bluetooth Device Manager icon.
- 2. Select **Disconnect**.
- 3. Select the relevant reader name.

CHAPTER 4 Setting Registry Keys Manually

This chapter describes how to change certain registry key values manually.

Automatic Power Off

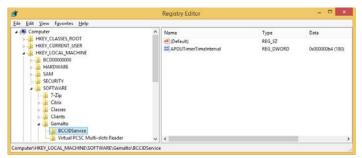
The APDUTimerTimeInterval registry key was added to enable the reader to power off the card automatically after a predefined period of time. By defining this registry key, you can save a reader's (SafeNet Reader CT1100, SafeNet Reader K1100, Eizio Reader) power consumption. By default, the APDUTimerTimeInterval registry key is set to power off the device when idle for 180 seconds (3 minutes).

To set the APDUTimerTimeInterval registry key:

- 1. From the Windows taskbar, select **Start > Run**.
- 2. In the Run dialog box, enter **regedit**, and click **OK**.

The Registry Editor opens, displaying the registry folders tree in the left pane.

3. For 32-bit systems, go to HKEY_LOCAL _MACHINE\SOFTWARE\Gemalto\BCCIDService.



4. For 64-bit systems, go to HKEY_LOCAL _MACHINE\Wow6432Node\Gemalto\BCCIDService.

f Éditeur du Registre Lichier Edition Affichage Fayoris 2			
Dell Dell Revense Khreense Korsoch Mosilla Mosill	Nem Car dfaut) El 2004 Tower Transfordered	Typ# RG_SZ RG_DWORD	Données (valeur non definit oudocodolui (380)
— Virtual PCSC Multi-slots Reader	<	L.	1

- 5. To add a value to the APDUTimerTimeInterval registry key, right-click the **APDUTimerTimeInterval** and select **Modify**.
- 6. Enter the number of seconds in the Value Data field and click OK.

7. To disable the APDUTimerTimeInterval registry key, enter 0 (zero) in the Value data field and click OK.



NOTE: Reboot your computer for the changes to take effect.

CHAPTER 5 Device Information

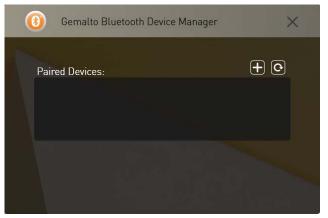
This chapter contains information about how to view device information.

Viewing Device Information

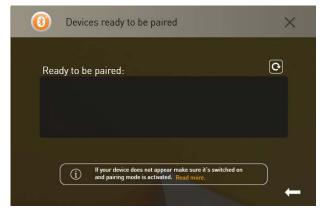
The Device Information option allows you to view the smart card readers that support the Bluetooth pairing feature as well as provides instructions on how to pair each device.

To open the Device Information window:

1. Open the **Gemalto Bluetooth Device Manager**, and click **•**



The Devices ready to be paired window opens.



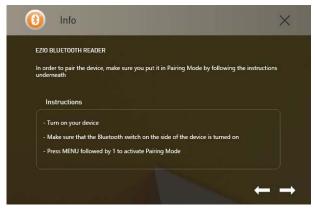
2. Click Read more.

The Select your device window opens.

🛞 Select your	device	×
Ezio Bluetooth Reader	Safenet Reader CT1100	Safenet Reader K1100
		-

3. Click Ezio Bluetooth Reader.

The Info window opens with instructions on how to pair the device.



4. To view information on how to pair the **SafeNet Reader CT1100** and **SafeNet Reader K1100** perform step 3 above.