

# **BioStar - BioEntry**

Quick Start Integration Guide

Version A2 Document Number 047-102011 January 2016

## **Overview**

This Quick Start document explains how to configure integration between Suprema BioEntry readers and Millennium Xtra.

### NOTE

The Biometric integration is a licensed option that must be purchased and enabled in the software before it can be configured.



The following readers are supported in Millennium Xtra and also in Millennium Expert/Enterprise.

- BioEntry Plus
- BioEntry W Outdoor use (Supports Power over Ethernet PoE)
- USB BioMini Must be connected to a USB port on the Millennium Xtra Server.

#### Contents

Overview	1
♦ Install BioStar 1.62	2
BioStar Server Configuration	6
Connect and Power the Readers	8
Add Devices	10
Configure in Millennium Xtra	20
Enroll the Finger Print	26
Contact Technical Support	
Millennium Group Web Sites	

# Install BioStar 1.62

1. On the BioStar installation disk, double-click the file *BioStar* 1.62 *Setup.exe*.

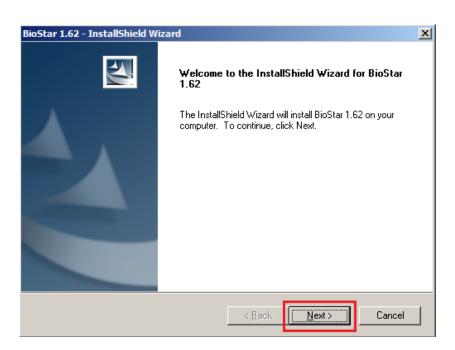
Figure 1: Install Wizard

InstallShield Wizard	
	Preparing to Install
	BioStar 1.62 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Extracting: setup.msi
Contraction of the second seco	
	Cancel

2. A **Welcome** screen is displayed. Click **Next** to start the software installation:

Figure 2: Welcome

#### Install BioStar 1.62



3. Setup Type screen is displayed. Select English and click Next:

Figure 3: Setup Type

BioStar 1.62 - InstallShield Wizard	×
Setup Type Select the setup type that best suits your needs.	XX
Select the features you want to install, and deselect the features you do not Click Next to continue. C English C Korea	want to install.
InstallShield	Cancel

4. **Select Features** screen is displayed. Ensure that both **Server** and **Client** are selected and click **Next**:

Figure 4: Sel	ect Features
BioStar 1.62 - InstallShield Wizard	×
Select Features	
Select the features you want to install on your c	omputer.
Express Server Client	Description
417.55 MB of space required on the C drive 18391.10 MB of space available on the C drive InstallShield	
11166/311/11/12/11	< Back Next > Cancel

5. On the **Start Copying Files** screen, click **Next** to begin the installation process:

Figure 5: Start Copying Files

BioStar 1.62 - InstallShield Wizard	×
Start Copying Files Review settings before copying files.	A A
Setup has enough information to start copying the program files. If you want change any settings, click Back. If you are satisfied with the settings, click I copying files.	
InstallShield	
< <u>Back</u>	Cancel

6. Allow the BioStar software, including SQL Server, to install. Once the software installation is complete. Click **Finish**:

	rigure 6: Install Complete
BioStar 1.62 - InstallShield W	izard
	InstallShield Wizard Complete
	Setup has finished installing BioStar 1.62 on your computer.
	< Back Finish Cancel

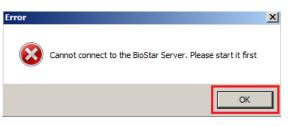
Figure 6: Install Complete

# **BioStar Server Configuration**

#### **Execute BioStar Server Config**

- 1. Start > All Programs > BioStar 1.62 > Server > BioStar Server Config.
- 2. An error message stating Cannot Connect may be displayed. Click OK:

Figure 7: Possible Cannot Connect Message



3. The **BioStar Server Config** screen will be displayed. If this is the first time running BioStar, the **Status** will likely indicate **Stopped**. Click **Start**:

Figure 8: BioStar Server Configuration

Status –				
			Stopped	Start
Connect	ion			
	TCP Port	1480	Thread Count 32	Client List
Databas	e			
	Database Type	SQL Server	•	
SQL	Database Name	BioStar		Set Name
	C Server Authentic	ation	<ul> <li>Windows Authentication</li> </ul>	
	Database Server	localhost\bsserver	Port 1433	
	ID		Password	
	Max Connection	1		
SSL				
	OpenSSL Path	C:\OpenSSL\bin\open	ssl.exe	Browse
	Pass Phrase	******		Change
		Refresh	Apply OK	Cancel

### 4. Verify that the **Status** indicates **Running**. Click **OK** to continue:

🎒 BioStar S	Server Config		X
Status -	BioStar Serve	er V1.62 (192.100.0.135) Running Stop	
- Connect	ion		
	TCP Port	1480   Thread Count   32   Client List	
Databas	e		
	Database Type	SQL Server	
SQL	Database Name	BioStar Set Name	1
	C Server Authentica	ation © Windows Authentication	-
	Database Server	localhost\bsserver Port 1433	
	ID	Password	
	Max Connection	1	
-SSL			
	OpenSSL Path	C:\OpenSSL\bin\openssl.exe Browse	
	Pass Phrase	******** Change	
		Refresh Apply OK Cancel	

Figure 9: BioStar Server Running?

# **Connect and Power the Readers**

#### **Power the BioEntry Readers**

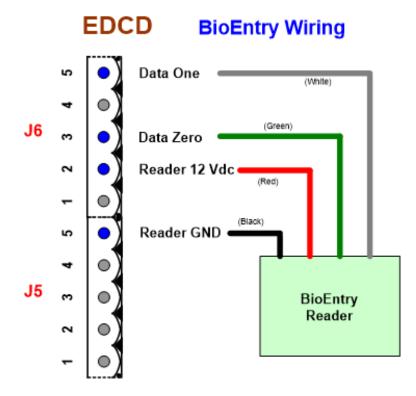
- BioEntry Readers can be powered from external 12 VDC supplies.
- BioEntry W Readers can also be powered by PoE injectors or switches.
- USB BioMini Readers are powered by a USB Type A port.

BioEntry Readers can also be powered by a Millennium group Door Controller.

1. Connect power to the BioEntry reader(s).

#### **EDCD Connection**

Figure 10: EDCD Wiring diagram



#### **DCD Connections**

NOTE

The BioEntry readers require a 12 VDC input @ 230 mA. The J2 Reader connector does not have a 12 VDC output. In order to power BioEntry readers from a DCD, the power must be supplied from the J5 connector instead of the J2 reader port.

- J5 pins 1 and 2 are tied together on the DCD, (+13.8 VDC). Use either pin.
   13.8 VDC is used to charge a 12 V battery. The voltage is perfectly acceptable for the BioEntry 12 VDC requirement.
- J5 pins 3 and 4 are tied together on the DCD, (GND). Use either pin.

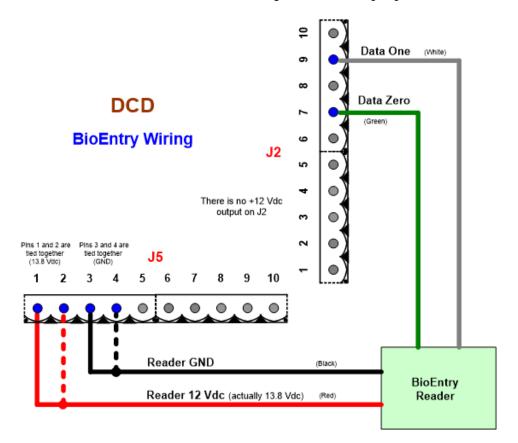


Figure 11: DCD Wiring diagram

#### **Connect the BioEntry to the network**

2. Connect the Suprema BioEntry readers to the same Local Area Network (LAN) as the computer on which you installed the Suprema BioStar software.

# **Add Devices**

#### **Connect to Server - Add new Administrator**

From the Start menu, select Start > All Programs > BioStar 1.62 > BioStar V1.62

Figure 12: Server Setting

2. A **BioStar V1.62** dialog box will be displayed. Click the **Server Setting** button:

📑 BioStar VI	1.62	×
User ID	I	
Password		
	Cannot connect to server	
Server Setti	ng Login Cancel	

- 3. A **Connect Server** window will be displayed. Enter *'localhost'* **127.0.0.1** for the Server IP address. Leave the **Server Port** at the default setting of **1480**.
- 4. Click the **Test** button and verify *Connected to server* message is displayed.
- 5. Click Save:

Figure 13: IP and Port

Connect Se	rve	er							×
Server IP	Γ	127		0		0		1	
Server Port	Γ				1480				
	C	Connec	:ted	to se	rver				
Test			Sav	e			Can	cel	

6. An *Add New Administrator* window will appear. Enter an Admin ID and password (2 times). Click OK:

Figure 14:	Add New Administrator	
Add New Administrator	,	×
Admin ID	admin	
Password	•••••	
Confirm	••••	
Admin Level	Administrator	
	OK Cancel	

- 7. Login to the BioStar software with the new Administrator account.
- 8. In the left-pane of the BioStar software, click the Device tab. Click Add Device:

BioStar V1.62			
Eile <u>V</u> iew Theme Option Administrator	Help		
🗨 Back 📀 Forward 🌀 Refresh 🤱 F	ind User 📔 Print 🥃		
Device	Device		
E. Device	Device ID	Name	
BioStar Server			Т
Task			
Add Device			
Firmware Upgrade			
Details			
Total:0 Selected: BioStar Server			
User			
Doors			
Access Control			
Monitoring			
Device			
Time and Attendance			

Figure 15: Add Device

9. A *Search and Add Device* wizard screen will appear. Select *LAN* and click Next.

C LAN			
C Serial			
C USB Device			
O Virtual USB Device			
	Back( <u>B</u> )	Next(N)	Cancel

Figure 16: Select LAN

10. Select UDP and click Next.

Figure 17: Assign UDP

Г ТСР				
192 . 100 . 0 . 1	~ 255	Port	BST/DST/XST/BST2/FST	1470

11. The BioStar software will scan the network and detect any BioEntry readers that are installed on the LAN. Click Next to continue.

After connecting the EDCDs and configuring the Site in the software, the SCU Configurator will indicate the EDCDs as well as the ESCU.

	configure settin	g on the right after	network information, select the specific dev Server, check [Server	
Device ID	IP	Туре	Change Network	
32775	192.100.0.157	BioEntryPlus	DHCP	🖲 Use 💦 O Not Use
32777	192.100.0.148	BioEntryPlus	IP Address	
			Gateway	
			Subnet	and the second second
			Port	0
			🗖 Server	192 . 100 . 0 . 135
•			Server Port	1480
	100%			Time Sync with Server
2 device(s) fo	und.		System Info	Refresh Modify

#### Figure 18: Search and Add Device

Add Devices					
			c boxes next to each e and click Add.	of the BioEntry readers th	at you would
			Figure 19: S	elect Devices	
9	Search and Add Device	e			×
		Select the device to l	be added and press [Add] b	utton to finish.	
	Device ID	IP	Туре		
	<ul> <li>☑ 32775</li> <li>☑ 32777</li> </ul>	192. 100.0. 157 192. 100.0. 148	BioEntryPlus BioEntryPlus		
				Add	
_					
				Back(B) Finish	Cancel

### 13. The selected BioEntry readers will now appear within the BioStar software:

BioStar V1.62				
Eile View Theme Option Administrat				
Back Porward 🚱 Refresh 💈	Find User	t 💂		
Device	Device			
Device	Device ID	Name	Туре	IP
BioStar Server	32775	32775[192.100.0.157]	BioEntryPlus	192.100.0.157
32775[192.100.0.157] 32777[192.100.0.148]	32777	32777[192.100.0.148]	BioEntryPlus	192.100.0.148
32///[192.100.0.140]				
Task				
Add Device				
13 Firmware Upgrade				
Details				
Total: 2 Selected : Device				
Selected : Device				
User				
Doors				
Access Control				
Monitoring				
Device				
Time and Attendance				

#### Figure 20: Selected Readers

Add Devices	
	14. In the Device box on the left pane, click the BioEntry reader you would like to configure. The current configuration will appear in the right pane, in the <i>Operation Mode</i> Tab. Figure 21: Configure the Reader Operation Mode
BioStar V1.62	- = ×
File View Theme Option Administrator	
Back Forward SRefresh SRefresh	
Device	Device
□         □	Basic Information           Name         32775[192.100.0.157]         Device ID         32775           Firmware         V1.51_130401         Device Type         BEPH-OC
	Operation Mode ungerprint Network Access Control Input Output Black List Command Card Display/Sound Wiegand
	BioEntry Plus Time
	Date 5/ 4/2015 Time 3:23:08 PM 📻 Get Time Set Time
	All Always Double Mode
Tash	Card + Fingerprint No Time Double Mode
Task Add Device	Fingerprint Only No Time 🔽 🗖 Double Mode
Firmware Upgrade	Card Only No Time Double Mode
Details	Private Auth Disable
Total: 2 Selected: 32775[192.100.0.157]	☐ Mifare/iCLASS
	Not use card Card Reading Mode View Card Layout
Vser	
Doors	Card ID Format Format Type Normal Byte Order MSB Bit Order MSB
Access Control	
Monitoring	
Device	
Time and Attendance	
, ,	Add Modify Delete Apply to Others Apply
Ready	J CAP NUM SCRL

- 15. Click on the *Network* tab to configure the network settings for the BioEntry reader.
- 16. Click the '*Not use DHCP*' radio button.
- 17. Configure the static *IP address, Subnet* and *Gateway* of the BioEntry reader. Leave the port at the default, 1471.
- 18. Click Apply.

Figure	22.	Network	Tab
riguie	~~.	NOLWOIN	iun

BioStar V1.62	- 1
Eile View Theme Option Administrator	
Back 📀 Forward 🌀 Refresh 🚨 Fin	d User Print 🗸
Device	Device
□-         ■         BioStar Server           □         32775[192.100.0.157]           32777[192.100.0.148]	Basic Information         Name       32775[192.100.0.157]         Firmware       V1.51_130401         Device Type       BEPH-OC         Operation Mode       Fingerprint         Network       ccess Control         Input       Output         Black List       Command Card         Display/Sound       Wiegand         ITCP/IP Setting]       Image: Command Card         IP       Output         IP       Interestret         IP
Task B Add Device Firmware Upgrade	Server O Use ON Not Use Time Sync with Server
Details	O Use    Not Use
Total: 2 Selected : 32775[192.100.0.157]	[Serial Setting] RS485 Mode Slave Baudrate 115200
Doors	
Access Control	
Monitoring	
Device	
Time and Attendance	Add Modify Delete Apply to Others Apply
Ready	CAP NUM SCRL

- 19. Click on the *Wiegand* tab.
- 20. From the Wiegand Output enumerated list, select *Wiegand (Card)*.
- 21. If using standard 26 bit Wiegand format, click Apply.

If using any other format, select *Change Format* to configure it.

Figure 23: Wiegand Tal	Figure	23:	Wiegand	Tab
------------------------	--------	-----	---------	-----

BioStar V1.62	_ = X
Eile View Theme Option Administrator	
Back 🛞 Forward 🚱 Refresh 錄 Fit	nd User Print
Device	Device
□         Image: Server           Image: Server         Image: Server           Image: Se	Basic Information         Name       32775[192.100.0.157]         Device ID       32775         Firmware       V1.51_130401         Device Type       BEPH-OC         Operation Mode       Fingerprint         Network       Access Control         Input       Output         Black List       Command Card         Display/Sourd       Wiegand         Wiegand Mode       Egess/         Wiegand Input       Disabled         Wiegand Format       Change Format         Format       26 bit Standard
Task	
Add Device	
👔 Firmware Upgrade	ID Bits 16
Details	I : ID bit / O : ParityBit(Odd) / E : ParityBit(Even) / A,B, : Fields
Total: 2	FC Code Disable Pulse Width(us)
Selected : 32775[192.100.0.157]	Default Field Data
User	
Control	
Monitoring	
Device	
Time and Attendance	
×	Add Modify Delete Apply to Others Apply
Ready	CAP NUM SCRL

- 22. Click on the *Operation Mode* tab. Select the desired Operation Mode(s) and the Time Zones for each mode.
- 23. Click Apply.

### Figure 24: Operation Mode

BioStar V1.62	_ = X
Eile View Theme Option Administrator	
Back Porward SRefresh 🛃 Fin	d User Print -
Device	Device
Device         BioStar Server           32775[192, 100, 0, 125]         32777[192, 100, 0, 236]	Basic Information         Device ID         32775           Name         32775[192.100.0.125]         Device ID         32775           Firmware         V1.51_130401         Device Type         BEPH-OC
	Operation Mode ingerprint Network Access Control Input Output Black List Command Card Display/Sound Wiegand
	Date         5/         4/2015         Time         3:57:25 PM         Get Time         Set Time
	Operation Mode       All       All       Card + Fingerprint         No Time                          Double Mode
Task	
Add Device	Fingerprint Only No Time Double Mode
🎁 Firmware Upgrade	Card Only No Time Double Mode
Details	Private Auth Disable
Total: 2 Selected : 32775[192.100.0.125]	Mifare/iCLASS
Doors C Access Control	Card ID Format Format Type Normal Type Byte Order MSB Bit Order MSB
Monitoring	
Time and Attendance	
» *	Add Modify Delete Apply to Others Apply
Ready	CAP NUM SCRL

- 24. This completes the configuration of the BioEntry readers in the BioStar software. In order for the Millennium Xtra software to be able to communicate with the readers, the readers must be manually removed from the BioStar software or the BioStar service must be stopped.
- 25. In the left pane of BioStar, right-click on each BioEntry reader and select Remove Device.

Configure in Millennium Xtra										
Configure in Millen	nium X	tra								
(	Configurin	g the Integra	tion in	Millenniu	m Xtra.					
NOTE		illennium Xtra must be at version 3.0.1.45 or higher and must be ensed for BioEntry readers.								
		o the Millenni s > BioEntry			and navig	gate to t	he <i>Exte</i>	rnal		
	2. Click th	ne <i>New</i> buttor	1.							
		Figu	ıre 25: Mi	llennium Xtr	a External Sy	/stems				
🏠 🛓 🕢 🌄 🖏 Current Threat Level: Normal	System Admini	n Cardholder istration Data	Event Monitoring	Hardware Configuration	System Configuration	Reports	Historical Log	Maps	External Systems	
Millenium Xtra     External     CCTV Cameras     Readers		_	-	🧏 Log	ged User:admin	Time Online:	01:13 Base	Online:	16:04 💟	
No items	New At	ی Pray Hazt⊷ dd Slave 🎺 Sav	er radio Figure 2	button an 2 <b>6</b> : Add Bio	Cancel d then clic Entry Reader			-	^	
	Millenium	Xtra: Add B	ioEntry	Reader	-	-	×			
	O USB Re	ader	۲	LAN Reade	er					
	O Serial R	eader	C	WAN Read	er					
	Com Port: Baud Rate:	Auto Detect		Address:						
			Add	S Clos	se					

4. The Millennium Xtra software will scan the Local Area Network, detect and automatically add any BioEntry readers it finds. The BioEntry readers added to the system will be displayed in the left-pane. Millennium Group recommends to assign more meaningful names to the readers.

#### Figure 27: Scan and Add Readers

🏠 🛓 🕑 🌄 🐗 Current Threat Le	vel: Normal		System Administration	Cardholder Data	Event Monitoring	Hardware Configuration	System Configuration	Reports	Historical Log	Maps	External Systems
🕮 Millenium Xtra						💈 Logg	ed User:admin 1	Time Online:	01:18 Base	Online:	16:09 😈
External BioEntry CCTV Cameras Seaders											
<ul> <li>All Readers Bioentry Plus:32775[192.100.0.</li> <li>Bioentry Plus:32777[192.100.</li> </ul>	<u> </u>	Readers									
* Bioeniu y Pius. 32777 (192.100.		Bioentry Plus:32777[192.100 LAN IP Address:192.100.0.236	.0.236] ←Pr	Next=>							
	Comments:										^
											~
			🛉 New	🛉 Add Slave	🖋 Save 🕽	¢ Delete (	Cancel				

- 5. Navigate to the *Hardware Configuration* > *Readers* screen.
- 6. Click *New* to create a new reader.
- 7. Assign a *Reader Name*, select the appropriate controller from the *Assigned* to Controller drop-down, and select the desired Card Format from the drop down.
- 8. Select Wiegand for Reader Technology.
- 9. Ensure that the *Online* radio button is selected.
- 10. Click Save.

		Figure 20. Conligu					
🏠 🛓 🕐 🌄 🝕 Current Threat L	evel: Normal		Iware System Reports Historical Maps Externa figuration Configuration System				
🖳 Millenium Xtra			Logged User:admin Time Online: 00:07 Base Online: 07:13				
Sites Controller Type Configuration	Controllers Doors 🔛 Elevators	s SReaders Readers CD Cutp	uts Elevator Cars Card Formats				
<ul> <li>All Readers</li> <li>Millenium</li> <li>Site Controller</li> <li>BioEntry 32775 BioEntry 32777</li> <li>Groups</li> </ul>	Reader Configuration         Reader Name:       BioEntry 32775         Assigned to Controller:       Site Controller         Card Format:       Wiegand 26 FC 1         READER TECHNOLOGY       None            Wiegand       Mag Strip         Mariok       READER TYPE            © Door       Elevator	ABA MODE     Clock/Data     Clock/Data     Clock/Data     Clock/Data     Clock/Data     Othered     Othered	KEYPAD COMBINATION Card Only Timezone: Never				
	Comments:	New Copy Save X Delete	S Cancel ( Help				

#### Figure 28: Configure the Readers

- 11. Navigate to the *Hardware Configuration* > *Doors* screen.
- 12. Click *New* to create a new door.
- 13. Assign a *Door Name*
- 14. Enter the rotary switch address of the EDCD/DCD in the *Number* field.
- 15. Select the appropriate controller from the *Assigned to Controller* drop-down.
- 16. Expand the *Reader & Lock/Device Type* heading and select the *BioEntry reader*.
- 17. Expand *First Relays* and configure as desired.
- 18. Click Save.

#### Figure 29: Configure Door

🏠 🛓 🕐 🌄 🐗 Current Threat L	evel: Normal	System Administration	Cardholder Data	Event Monitoring	Hardware Configuration	System Configuration	Reports	Historical Log	Maps	External Systems
📖 Millenium Xtra					🧏 Log	ged User:admin	Time Online:	00:17 Base	Online:	07:23 🙂
Sites Controller Type Configuration	Controllers Doors	Elevators 🕎 Rea	aders <u> R</u> Inj	puts 🦧 R	CD Routput	ts 🛞 Elevator	r Cars 📑 O	ard Formats		
<ul> <li>All Doors</li> <li>Millenium</li> <li>Site Controller BioEntry Door 1</li> <li>BioEntry Door 2</li> <li>Groups</li> </ul>	Door Configuration Door Name: BioEntry Door 2 Location: Number: 1     Anti-Passback (Show Details)     Anti-Passback (Show Details)     Anti-Passback (Show Details)     Active Seconds: 5     Active Seconds: 5     Active Timezone: Always     Toggle Mode: Over Allow REX to Activate Relay:     Shunt (ignores) door contatt     for time specified for the     relay. The shunt period will     On		Assign	In Ground In Gro	Ilexte> Downl	r Device Type (Hid BioEntry 32775 Other § (Show Details	Statuses.	Acce	ders	
		H New C	opy 🛷 Save	X Delete	Cance	el 🔞 Help				^

19.	Navigate to the System Configuration > Access Levels page. Create a new
	access level and add the BioEntry door(s) to it.

20. Save the *Access Level*.

Figure 30: System Configuration Access Levels

🏠 🛓 🕐 🌄 🖏 Current Threat Lo	evel: Normal	System Administration	Cardholder Data	Event Monitoring	Hardware Configura	System tion Configuration	Reports	Histori Log	ical Maps	Extern Syste
🕮 Millenium Xtra				litering		Logged User:admin			Base Online:	
	Access Levels	Groups 🚅	Alarm Routin Templates	g 🧃 Alarn Temp	n Acknowl.		Hot Com Configur			
All Access Levels     Biometric Doors		s Level Config Name: Biometric D Normal e: 4/30/2015			Prev Nex ation Date: 1/					
	Doors Doors	by name:	tor Floors			Time Period Never				
		Doo	15			Always 8-5pm Mon-F	ri			
									Add	
			Door			Time Peri	od		Remov	/e
			ntry Door 1 ntry Door 2			Always Always				
		🛉 New	Copy 🛷 Sa	ave 🗙 Dele	ete 🛇	Cancel	Report	👌 Help		

- 21. Navigate to the *Cardholder Data* screen.
- 22. Select the *Card Information* Tab.
- 23. Create a new card holder record. Provide a *First Name, Last Name* and *Employee ID*.
- 24. Assign an *Encoded Card Number* and the *Access Level* created in the previous step.
- 25. Select the *Card Format*. Ensure that the *Active* check box is checked.
- 26. Click Save.

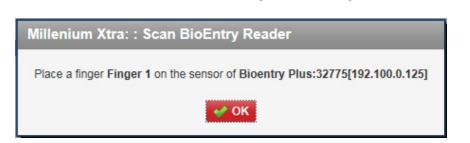
🏠 🛓 🕑 🌄 🖏 Current Three	at Level: Normal	System Cardhold Administration Data	er Event Hardware System Monitoring Configuration Configuration	Reports Historical Maps External n Log Systems						
📖 Millenium Xtr	3		患 Logged User:admin	Time Online: 00:01 Base Online: 08:28 🕑						
View Transford Query 📁 Query Transforder 🚰 Query 💩 Custom Query 👔 Events for 🎄 Mandatory Fields										
✓ A	Card Information General Information Additi	ional Information								
<ul> <li>Adams, John</li> <li>B</li> </ul>	Last Name: Adams	First Name: John	Middle Initial:	Employee ID: 90C73034						
> C										
> D	Access Information		Card 1 C	ard 2 Card 3						
> E	Printed Card No.:		Active 🗹 🔀 Delete Card 1 Assign K	Upload Images						
> F	Encoded Card No.: 38997	Enroll Card Number	Access Level 1: Biometric Doors							
<b>&gt;</b> G	Activation Date: 5/5/2015		Access Level 2:No Access V							
> H	Expiration Date: 5/5/2016		Access Level 3:No Access 🗸							
>   > J	Facility Code: 50	(DCD controllers only)	Access Level 4:No Access 🗸	No image is						
> K	Badge Type:		Access Level 5:No Access 🗸	available for this cardholder						
▶ L	Card Class:		Access Level 6:No Access 🗸	uns carunoider						
> M	PIN:		More Access Levels BioEn							
> N			MOLE ACCESS LEVELS BIOLIN							
<b>&gt;</b> O	Card Format: Wiegand 26 FC 1	(DCD or WaPac controllers only)								
> P	Issue Code: 0	(WaPac controllers only)		No image is available for this cardholder						
> Q > R	Disable card after 1	uses	Used on the							
> S			Used off the							
> T	Card memo:									
<b>&gt;</b> U	Current Status:	Use User Part	ition Template							
> V	🕂 New Copy 🖌 Save 🗍 🛇 Cance	el 🗶 Delete 🚽 Batch Red	cord Add Cardholder Report Cardholder Acce	ss Report Access History 👩 Help						
> W	- Herri Copy	Datcin Key	Cardinolder Report							
> X										

#### Figure 31: Card Holder

Enroll the Finge	r Print
	Scan and Enroll the Finger Print
	<ol> <li>Click the <i>BioEntry button</i>. A <i>BioEntry Template</i> dialog box will be displayed.</li> </ol>
	2. From the left pane, select <i>Finger 1</i> or <i>Finger 2</i> .
	3. From the right pane, select the <i>BioEntry reader</i> you wish to use to enroll the fingerprint.
	4. Click <i>Scan</i> .
	Figure 32: BioEntry Template
BioEntry Template - Internet	Explorer _ X
SioEntry Template	
Wiegand card: 50-38997	
T	Decides / State
Template / State Finger 1 / Empty	Reader / State Bioentry Plus:32777[192.100.0.236] / Not Syncronized
Finger 2 / Empty	Bioentry Plus:32775[192.100.0.125] / Not Syncronized
Scan S	C Delete Syncronize All
	Close
26	

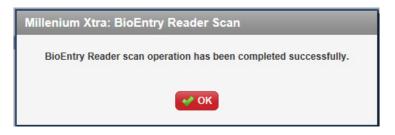
- 5. A prompt will be displayed asking the user to place the finger on the *BioEntry reader* that was selected.
- 6. Before clicking *OK*, please read the following:
- When the *OK* button is pressed, the selected *BioEntry reader* will present a flashing amber LED.
- Present the finger on the fingerprint sensor.
- The *BioEntry reader* will indicate a successful fingerprint scan with an audible sound and a green LED.
- The reader will then flash amber again and <u>the same fingerprint must be</u> <u>scanned successfully a second time.</u>
- 7. Click *OK* and proceed with the fingerprint enrollment process. The Millennium Xtra software should display a message indicating that the fingerprint has been successfully enrolled.

Figure 33: Scan Finger Print



8. If the scanning process fails, please repeat until it completes successfully.

Figure 34: Scan Complete



- 9. Click the *Synchronize All* button. This will synchronize the fingerprint that was just enrolled to all of the *BioEntry readers* in the system. Millennium Xtra will display a message indicating that the synchronization completed successfully.
- 10. Click OK.

Figure 35: Reader Synchronization



- 11. Click *Close* to return to the card holder record.
- 12. Click *Save* to save the card holder record.
- 13. Navigate to the *Event Monitoring* screen.
- 14. When prompted, Do you want to download your changes now?, click Yes.

Figure 36: Download Changes

Millenium Xtra: Controller Download							
Do you want to download your changes now?							
Yes 🚫 No							

15. Present the finger that was previously enrolled at the BioEntry reader.

If the card holder has been assigned access to more than one BioEntry door and the fingerprint has been synchronized to the BioEntry readers, the finger should now provide access at any BioEntry door.

#### Figure 37: Test Finger Print Entry

🏠 🖄 😧 💭 🖏 Current Threat Level:	Normal	System Administration	Cardholder Data	Event Monitoring	Hardware Configuration	System Configuration	Reports	Historical Log	
🕮 Millenium Xtra					🧏 Logg	jed User:admin	Time Online:	00:30 Base	
Verification 🖓 Events/Alarms 💦 Cardholder's 🔊 Operator 🔑 Controller 🏫 Image Download 🌉 Verification									
View Alarms (2)						Enable	e Image Verifi	cation	
	E	vent Monitor (17)	Event Filter: A	ll Events					
Time 💌	Category	Name		Statu	S		Origin		
5/5/2015 8:58:37 AM GMT -04:00	Cardholder	John Adams (Card	#50-38997)	Admit	ted 🚽 🗕		BioEntry	Door 1	
5/5/2015 8:58:37 AM GMT -04:00	Door	BioEntry Door 1 (Ca	rd #50-38997)	Unloc	ked		John Ad	ams	
5/5/2015 8:58:33 AM GMT -04:00	Cardholder	John Adams (Card	#50-38997)	Admit	ted 🚽 🗕		BioEntry	Door 2	
5/5/2015 8:58:33 AM GMT -04:00	Door	BioEntry Door 2 (Card #50-38997)		Unloc	ked		John Ad	ams	

# Assistance

### **Contact Technical Support**

Authorized Dealers can contact Technical Support by:

- Telephone 1-866-455-5222
- E-mail directly to tsupport@millennium-groupinc.com

#### **Millennium Group Web Sites**

Our company website is www.millennium-groupinc.com

A Tech Support portal is under construction with more documentation. (Customers can also open tickets directly from here.) **support.millennium-groupinc.com** 

> BioStar Quick Start Installation Guide Document Number: 047-102011 Revision: A2 Release Date: January 2016

This manual is proprietary information of Millennium Group. Unauthorized reproduction of any portion of this manual is prohibited. The material in this manual is for information purposes only. It is subject to change without notice. Millennium Group assumes no responsibility for incorrect information this manual may contain.

Copyright ©2015 - 2016 Millennium Group. All rights reserved.