

XPressEntry / Open Options DNA Fusion Integration

Revision 04/10/2024

For use with the XPressEntry Mobile Access Control System

By



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Contents

Purpose
Pre-requisites/Requirements
Setting Up Open Options to Synchronize with XPressEntry
Order of Operations
Setup Open Options Data and Settings 4
Flex API Setup
Create a Flex API Key
Configuring DNA Fusion
Handhelds
Hardware Channel
Hardware Controller
Access Areas
Readers7
Additional Fields
Enable XPressEntry Synchronization
General Tab
Data Manager Tab9
Sync Timers 10
Sync Options11
Open Options Data Manager Set Up Page 12
Set up XPressEntry Data
XPressEntry Data
Users
User Permissions14
Reader Groups
Doors
Readers17
Activities17

Purpose

This document is intended to instruct users on how to synchronize an XPressEntry system with an **Open Options** system. XPressEntry has the capability of providing access control management from a handheld device. For XPressEntry setup information, see the document, "XPressEntry Installation and Upgrade" found at https://telaeris.com/documentation.

Pre-requisites/Requirements

- 1. XPressEntry 3.5+
- 2. Open Options DNA Fusion 8.2.0.5
- 3. FLEX API
 - a. Obtained from Open Options provider
- 4. Certificate if planning to implement API over SSL
- 5. Windows 8.1+ or server type equivalent

Setting Up Open Options to Synchronize with XPressEntry

It is assumed that a version of Open Options and XPressEntry are installed on computers or virtual machines that can **talk to each other**, or the **same** computer or virtual machine.

To install XPressEntry, you should have Administrator privileges on its respective machine. You should additionally be an Administrator or super user in the Open Options System.

Order of Operations

- 1. Setup Open Options Data and Settings
- 2. Enable XPressEntry Synchronization
- 3. Set up XPressEntry Data

Setup Open Options Data and Settings

Flex API Setup

It is assumed that Flex API is installed and configured to access the DNA Fusion Database.

Create a Flex API Key

settings

A Flex API Key must be created for use of the XPressEntry.

- 1. Select the + shown in the following image.
- 2. Provide a name and description for the entry
- 3. Copy the API Key to be used in the XPressEntry setup.



_ 🗆 ×

Lastly, check your bindings for http or https. The port set in bindings will be required by the XPressEntry setup. If the binding that you require does not exist, create one.

Configuring DNA Fusion

Handhelds

Create **placeholder reader records** in **DNA Fusion** to properly link XPressEntry handhelds to DNA Fusion. These placeholder records may be disabled and are only used to logically represent the work that the handhelds perform.

Telaeris handhelds can be added to existing Sites, Channels, and Controllers. The following walks through the process of adding a handheld, beginning with a new Channel.

Hardware Channel

- 1. Open the **Hardware Browser** in DNA Fusion and right -click on the **site** where your handhelds will be deployed.
- 2. Select Add Channel.
- 3. Give the channel a **description** that represents it is used for logical Telaeris Handhelds.

Site Number: 1 Channel ID: Channel 3 Description: Telaeris Handhelds	▼
Channel ID: Channel 3 Description: Telaeris Handhelds	·
Description: Telaeris Handhelds	
Channel Type: Ethernet (TCP/IP)	v
SSP Reply Timeout: 700	v
TLS Encryption: If available	v
TCP/IP Retry Count: 15000	v
	🗸 <u>O</u> K 🔀 <u>C</u> ancel

Hardware Controller

- 1. Add a controller to the logical channel by right-clicking on the channel and selecting **Add SSP**.
- 2. Give the controller an **SSP Description** and set the controller to **disabled** because there is no physical controller.
 - a. This controller will be used to add logical handhelds in the system only.

Stored Quantities	- Channels			
Cards and Dual Comm	Channels		la colo di colo di	- Nou
	Existing Channels:	3 (Ethernet (TCP/IP)): Te	elaeris Handhelds	- New
	Attributes			
	Site:	Site 1: AMAG-VM		Download On Demand Exempt
	SSP Number:	SSP: 3	Physical Addr	ess: 0 💌
	SSP Description:	Telaeris Handhelds		
	Controller Type:	SSP 🔹 Cont	roller Enabled	
	Home Page			
	Thomas T diga.			
	Connection Tin	ne Parameters		
	GMT Offset:	GMT	🚺 🚺 Use Daylight sav	vings 📆 Edit Table
	Time Sched. Set:	Default	<u></u>	
	Holiday Set:	Default (All)	Host Response Time:	0 Seconds 🔹
	Connection			
	Connection Type:	Ethernet (TCP/IP)	IP Address	
J Ok	Poll Delay:	1500 millisecond	SSP Channel:	3
	Baud Rate:	38400	Retry Count:	3 retries (default)
V Cancel	Password:		Offline Time:	15000 ms (default) 🛛 👻

Once the controller has been added, add Access Areas and Readers to the system.

Access Areas

Areas should be configured for each door before configuring readers. To do this:

- 1. Right-click on the Access Areas option under the controller.
 - a. If access areas are not present in the hardware tree, it can be enabled via DNA > Administrative > Properties > Hardware Tree Behavior and check the box for Access Control Areas.
- 2. Add zones for each logical area the handhelds will move people between. This is denoted by the **description**.

۲		Access Areas Dialog 83
Access Areas	Access Areas	
	Site: Controller:	Site 1: AMAG-VM I.3: Telaeris Handhelds
	Area Number:	Area: 1 🔭
	Description:	Outside
	Access Control:	Disabled *
	Host Macro:	*None* 👻 😵 Edit
	Occupancy Setti Require 2 or mor Initial Occupancy: Maximum: Upper Warning:	In gs: le in area 0 0 if NOT setting to an initial occupancy 0 0 Maximum possible occupancy in this area 0 0 10 log transaction when count reached, counting up
✓ <u>0</u> k	Lower Warning:	0 🗘 log transaction when count reached, counting down
X <u>C</u> ancel		
🕜 Help		

Readers

Readers are created through doors in DNA Fusion.

۲		Hardware Properties: NEW Door 🛛
Common Properties	Door Objects	
Advanced	Door Propert	ies
Macros	Type:	Single 🔹 LED Mode: No Change 💌 Edit
Auto Unlock	Pre-Alarm:	U sec T
	E. M. du	
	Ext. Mode:	None
	Reader	
	Address:	*None* Edit
	Default Mode:	Card Only Type: Normal Type:
	Offline Mode:	Facility Code 🔹
	Contact	
	Address:	*None* Edit
	Request To F	xit (RFX)
	Address:	*None* Edit
✓ <u>0</u> k	Strike	
	Address:	*None*
🗶 Cancel	Activation:	3 sec 🔹 Mode: No impact on strike 👻
	ADA Settings	
Help	Strike Time:	56 sec * Held Time: 0 sec *

- 1. Select **Door Objects** and configure the type of door this will be.
 - a. If the handhelds will be used to track personnel in **AND** out of an area, change the **Type** dropdown to **In and Out**.
 - b. If the handhelds will be used solely for Entry **OR** Exit, select **Single**.
 - 1. If a reader is used as an **Exit** reader, it must contain **OUT** in the **name** for it to map to an exit reader in XPressEntry.
- 2. If you have configured Access Areas, navigate to the **Advanced** tab under the door and select Access Areas in the **From** and **To** dropdown menus.

۲	Hardware Properties: DOOR 1.3.D1	23
Common Properties Door Objects Advanced Macros Paired Door Settings Auto Unlock	Anti-Pass Back (APB) Settings Option: Accept any location, change on entry From: Area 1: Outside To: Area 2: Building	
	Door Parameters Decrement use limits Require 2 card control Require use limit > 0 Biometric Verification Set to deny duress Enroll Dn Access (Bio) No reset on Held Timer Log all requests as used Host Verification Do NOT guise on REX Enable Cipher Mode Filter Change Of State Grant First Log Later Allow Double Swipe	
	Not-In-File: Cypher Mode Biometric failures Reset Time: 0 seconds Deactivate if bad PIN	
✓ <u>O</u> k	Secondary Request To Exit (REX)	
X <u>C</u> ancel	Secondary Reader Address: *None*	
<u>Help</u>	Secondary Type: None (Ignore data from reader)	

Additional Fields

In addition to Areas and Readers, the following fields are pulled by XPressEntry.

- Cardholders
- Badges
- Pictures
- Groups
- Access Levels (Legacy)
- Access Groups (Global)
- Readers > Groups and Levels
- Users > Groups and Levels

XPressEntry pushes access events (activities) back to DNA Fusion.

Enable XPressEntry Synchronization

XPressEntry uses a module called Data Manager to synchronize all data with Open Options. From the main page of XPressEntry, go to XPressEntry > Settings (ALT+S or **Tools > Settings**).



General Tab

- 1. From the Settings page, select **General > Logging**.
- 2. Set the Data Manager Log level to **DEBUG** or **VERBOSE**
 - a. This will allow you to view log entries during the sync process.
- 3. Max Log Size **5000** or higher
- 4. Max Log Age -1 Day or higher

ile Database SQL Import/Export				
ile butabase see import/export	Logging			
General	Handheld	ERROR		
Add / Edit Display				
Badges RFID	Data Manager	VERBOSE		
User Defined Fields Muster Settings	RFID	INFO ~		
Question Setup Logging Client Settings	Desktop	INFO ~		
Wiegand Format Data Server	Service	INFO ~		
Service Settings Database	Max Log Size	5000		
Data Manager DISABLED - OPEN_OPTIONS Software Event Viewer	Max Log Age (days)	10		
Reader Profiles Handheld Functionality	Purge Time (mins)	240 🖨		
Reader Validations Passwords		Purge Now		
Badge Settings Custom Display				
Validation Colors Doors	Include Data Manager GUID in Lo	9 9		
Trend Settings				
Alert Settings				
Email Settings				
Twilio Alerts				

Once the integration is complete, set the log level to **ERROR** so only error messages will be tracked.

Data Manager Tab

From the Settings page select the Data Manager Tab.

🛃 XPressEntry Settings		- 🗆 ×
File Database SQL Import/Export		
		Add Bemove
🖃 General	Type of Elfor Holdo	
Add / Edit Display		
Badges	Name	Prefix
RFID		
User Defined Fields		
Muster Settings	ODENL ODTIONIC Destation	
Question Setup	OPEN_OPTIONS - Prefix()	
Logging		
Client Settings		
Wiegand Format Data		
Server		
Service Settings		
Database		
Software Event Viewer		
Deader Profiles		
Handheld Functionality		
Reader Validations		
Passwords		
Badge Settings		
Custom Display		
Validation Colors		
Doors		
Trend Settings		
Musters		
Alert Settings		
Email Settings		
Twilio Alerts		
		Sanity Check Data
		Save Cancel

- 1. **Type** This is the integration type. Select **OPEN OPTIONS > Add > Save.**
- 2. Go to **Data Manager > OPEN OPTIONS** in sidebar menu.
- 3. Setup Data Manager This sends you to the setup form for the OPEN OPTIONS data

manager.

Sync Timers

XPressEntry uses Timers to pull Open Options data into XPressEntry.

- 1. Download Activity Frequency – Pulls reader scan records into XPressEntry and stores them in XPressEntry's activity table. This function also updates the zone occupancy.
- 2. Occupancy Sync Frequency – Updates the zone occupancy without storing the activity records. Not available with Open Options.

	Enable Data Manager Ty	pe: OPEN_OPTIO	NS		Setup Data Manager
General Add / Edit Display	Sync Timers Sync Options	3			
Badges RFID User Defined Fields Muster Settings	0	Disable Concurrent Syncs			Send XPressEntry Activities Now
Question Setup Logging Client Settings	Download Activity Frequency		Set	Clear	Download Activity Now
Wiegand Format Data Server	Occupancy Sync Frequency		Set	Clear	Occupancy Sync Now
Database Data Manager	Partial Sync Update Frequency		Set	Clear	Partial Sync Now
DISABLED - OPEN OPTIONS Software Event Viewer Reader Profiles	Full Sync Update Frequency		Set	Clear	Full Sync Now
Handheld Functionality Reader Validations	Custom Sync Update Frequency		Set	Clear	Custom Sync Now
Badge Settings Custom Display Validation Colors Doors Trend Settings					
Musters Alert Settings	Data Manager Live Log View	Pause Mirror Log To:			Browse
Tiwilio Alerts					

- 3. **Partial Sync Frequency** Pulls all data excluding cardholder data, including readers, areas, access levels. It will only grab the last x number of users that were added to the system.
 - a. **Do** use this sync to quickly update any table in XPressEntry.
 - b. Do use this sync to quickly add a new user into XPressEntry from Open Options.
 - c. **Do NOT** use this sync to delete a user from XPressEntry who was deleted in Open Options.
 - d. **Do NOT** use this sync to update a user from XPressEntry who was changed in Open Options.
- 4. **Full Sync Update Frequency** Updates all tables by pulling all necessary records from Open Options. This function may take some time.
 - a. It is recommended to run a full sync **once per day** in the middle of the night when the system is not busy.
- 5. Custom Sync Frequency Updates a set of tables that the user configures.

a. To configure, right click **Custom Sync Now** and select **Edit Custom Sync**.

Custom	Table Sync						_		×
	Add Table							Done	2
Table	USERS	✓ ✓ Partial?	8	Table	BADGES	~	Partial?	3	
Table	GROUPS_USERS	✓ ✓ Partial?	(2)						

Sync Options

1	🖉 Enable Data Manager Type: OPEN_OP	PTIONS Setup Data Manager		
General Add / Edit Display Badges REID	Sync Timers Sync Options			
User Defined Fields Muster Settings Question Setup Logging Client Settings	Default Outside Zone Pull Data Manager Activities into XPressEntry	Default Role DMPrefix		
Wiegand Format Data Wiegand Format Data Service Settings Database Data Manager Detroms Software Event Viewer Reader Profiles Handheld Functionality Reader Profiles Badroe Settions Passwords Badroe Settions	Push XPressEntry Activities to Data Manager Send Activities Retry Count Watch Tables via Software Events Enable Message Queue Message Queue Name \Private\$\DataManagerEvent Event Processing Loop Limit 10	Muster Scanned Users never ~		
Custom Display Validation Colors Doors	Clear Data Manager Settings	Clear External Data		
Trend Settings Musters ⊟ Alert Settings Email Settings Twilio Alerts	Data Manager Live Log View Unpause Mirror Lo DEBUG: DataManager Settings Updated DEBUG: DataManagers Restarted	og To: Browse		

- 1. Pull Data Manager Occupancy Enables use of the Occupancy Sync.
- 2. **Pull Data Manager Activities into XPressEntry** Enables use of the Activity Sync. *Not available with Open Options.*

Save

Cancel

- 3. **Push XPressEntry Activities to Data Manager** Enables XPressEntry to push Scan data to Open Options. *Not available with Open Options*.
- 4. Send Activities Retry Count Number of times XPressEntry will attempt to resend an activity if it fails.
- 5. **Default Role** The default XPressEntry Role that will be assigned to users if the integration does not otherwise assign a role. Entrants are recommended but not required.
- 6. **Muster Scanned Users** Enables sync to convert scans from specific readers to be converted into Muster Scans which mark users as safe. Muster readers must be configured in the reader data. Please see *Mustering Documentation* for more details.
- 7. Setup DataManager Button Opens Open Options specific settings.
- 8. Clear DataManager Settings Resets all settings on the two above tabs, as well as the System Galaxy specific settings.

9. Clear External Data – Deletes all data synced from Open Options from the XPressEntry Database.

Open Options Data Manager Set Up Page

Press the Setup Data Manager button to get the Open Options specific setup screen.

Open Options Data Manager	– 🗆 X
General Data Mappings	
API Address	
http://mytextoosystem.com:30009	
API Key	
157de4379f-u958-hf70-e759-900z3hjfc7j	
Records Per Thread: 500	
Report Records Per: 100	
Use Credential	
Groups to Use (Select No Groups will pull all Groups)	Fill Groups
Criteria For Users Search	
Test Connect Clear Results	Okay

- 1. **API Address** This is the server address of the API. Make sure the URL prefix and bindings are specified.
- 2. API Key This is the key that was created in the Flex API Setup.
- 3. **Records per Thread** XPressEntry will create enough threads so that each thread is responsible for the appropriate number of pictures.
 - a. If DNA Fusion has **1000** users and Records per Thread is set to **100**, **10 threads** will be created. Be cautious not to create too many threads, as it may impact performance if 100s of threads are created.
- 4. **Report Records Per** Determines how often the front end is notified about the progress of the picture, groups users, and groups readers downloads.
- 5. **Fill Groups** Pulls groups into the designated list below. Prevents the system from pulling ALL users by specifying which groups XPressEntry should pull users from.

Press **Test Connect** to verify connection to the Flex API. If successful, select **Okay** to exit the setup form.

Select **Save** on the Data Manager. Next, select **Full Sync Now** to test your setting changes. The log view at the bottom will display the result of the sync, according to the log level set in the **General** tab.

Set up XPressEntry Data

XPressEntry Data

After running the initial **Full Sync**, you will see the data from DNA Fusion represented in XPressEntry under the **Add/Edit Info** tab. Data which is imported from Fusion cannot be changed from within XPressEntry and is greyed out.

Users

Here is a sample of a properly synchronized user:

er:	@ # 0	& Users 🔟 (companies 👋 Gro	ups 🕍 Zones 📕 Do	ors 🛛 Re	eaders 💩 Roles 💿 Timezones	2 Muster Sites	
ministrator, Company		User Permis	sions Contact Info	UDFs/Misc				
inson, Garland		First Name	Last	lame	MI	Photo FP		
ers, Tami		Tilly	Brigh	t				
ker, Rico								
njamin, Cody		Company		~				
ant, filly					Die			
npos, Silas		Emp ID			VISRO			
ad Leola		Zope	Building A	~	Host	Acres 1400		
zier Emma		2,0110	a amanig / t		and a second			
nn Malik			Zone Entry: 10/05	5 10:07:31 AM				
vell Jodi			Last Reader			124 11		
ing. Melissa			Luar rioudur.			CERT	N 30	
nson. Bill						Yard State		
np. Alfie							2.20	
p, Genaro							In the second second	
hen, Donald L.		Role	Entrant	~		Change Crop	Delete	
a, Rosanne						change crop	Doloto	
ch, Esther		Start Data	9/29/2023					
jee, Adan		Start Date						
ntt, Theo		End Date		-				
a, Juliana								
ida, Leopoido								
ies, Deann								
ales Many								
dors Frin								
ver Quinn								
th Jane								
h. John								
ars, Zachery								
nley, Kade		Dadaga						
venson, Layla		Badges	Add Badge	O Delete Badge	O Vi	ew History 👄 Print Badge		
anson, Robbie		(0)				,		
rnton, Safa		Badge		Activated Date	Expired	Date Invalid	Badge Type	
, Dominik		100		011/0000	prou		_uugo i jpo	-
irreal, Herb		100		0/4/2023				
sent, Lyra								
e, Jell								_
SOD YOBDOD N								
Son, rolanda N.								
te, Saundra								

All External Records (From Open Options) will display in red as an **External Record** at the top of the form. This label will not display for any records that were created from within XPressEntry.

XPressEntry will pull the user's **image** and **badge number** from Open Options. The badge number can be seen at the bottom of the screen.

User Permissions

Users in XPressEntry have the same access to the Access Groups and Access Levels as they do in DNA Fusion.

🛃 XPressEntry - 3.5.6564 - Telaeris (Logged In User: Admir	nistrator, Company)			-		×
🚰 Eile 🎁 Tools 🛞 View 🔌 Logout 🔇	Entry/Exit 🕅 Muster				(?) E	<u>+</u> elp
Entry/Exit Muster Events Activity History Messages Add/Edit In	10 Logs					
Filter:	User Permissions Contact Info	ups 🤮 Zones 📃 Doors 🔲 R	leaders 🍓 Roles 🔊 Timezones 🗠 M	Auster Sites		
Administrator, Company Atkinson, Garland Ayers, Tami Baker, Rico Benjamin, Cody Bright, Tay Campos, Silas Clay, Bilie David, Leola Frazier, Emma Glenn, Malik Howell, Jodi Huang, Melissa Johnson, Bill Kemp, Alte Kemp, Alte Kemp, Genaro Kleinhen, Donald L. Luna, Rosanne Lynch, Esther Morae, Adap	Access Groups Group B Direct Zone Permissions Zone Name		Add User to Group Allow User to Zone Allow User to Timezo	a a xne		

XPressEntry User Permissions

Open Options DNA Fusion Permissions

🗾 📶 Anderson	, Lisa 🗙						
👗 Employee Info	o: 🏾 🛱+ Employee Info	: (Page 2) 📧 Card: 194					
Mode:	Multi - 26 bit card	*		🖳 т	race Hist	Has Access To	FEFEE Situations
Facility Code:	1 Card:	194	_				
Credential:	65730				Last U:	sed	
				Date/Time:	: n/a		
PIN:				Event: Location:	n/a		
Card Type:	Normal	*		Operator:	n/a		
APB Location:	0 -						
Activation:	11/20/2017	▼ 14:15:00 ÷					
Deactivation:	12/31/2021	▼00:00:00 📑					
Vacation Start:	12/ 5/2017	💌 for 🛛 🛛 O D ay(s) 🌲					
	Advanced Acc	cess Control					Acc
Use Limit: 0 L	Jses 🔻			P-P	Access Lev	vels	
Activate Card		🗖 Auto Activat	e Card		Site: 1	Controller 1	
PIN Exempt C	ard	🔲 Auto Deacti	vate Card		 	Level: 1: All Controller 1	
VIP (APB Exer	mpt)	Time/Attend	lance Card	📄 🗄 🚰 A	Access Lev	vel Groups	
🗌 Don't Change	Use Count	🗖 ADA Mode		±	🖣 Out Gro	quo	
🗌 Don't Change	APB Location	🔲 1 Free APB	Pass				
Always Downl	oad						
Host Macro: *	None*		▼ Edit				

Reader Groups

Each Access Level and Access group is pulled from Fusion to XPressEntry, as well as the readers associated with it. The example below shows the mapping.

ntry/Exit Muster Activity History Messages	Add/Edit Info	Server Activit	у							
		Externa	Reco	rd						
ilter: 🚺 🥥 📫 🛞	Users Con	npanies Group	s Zones	Rooms	Doors	Readers	RFID	Roles	Timezones	Ce 1
Access	Name									
Readers Group ntroller 1: All Controller 1	Controller 1	: All Controller 1								
ntroller 1: Front Door and Out	Is Default Group									
Access	Readers 2	Readers Zones Users Certificates								
it Group	Readers			Selected						
	Controller 1 Controller 1 Controller 1 Controller 1 Controller 1	ACM 1 ACM 2 ACM 2-OUT ACM 4 ACM 4-OUT	•	-> Controller 1: ACM 1 Controller 1: ACM 2 Controller 1: ACM 2-OUT Controller 1: ACM 4- Controller 1: ACM 4-OUT						
	Timezones			Controller 1: ACM 6 Controller 1: ACM 6- OUT						
	Always early to late Test									
	<-									
T . B 175 1 000 1	Add	New	Dele	ete	0	Save		Can	cel	

XPressEntry Reader Groups

DNA Fusion Access Levels

.	Access Level Editor: (1.1.AL1: All Controller 1)	23
Access Levels Access Level Members	Access Levels	
	Access Level: 1 Description: All Controller 1 Default Time Schedule: TS 001: Always Default Floor Group: Access Level Access Level Access Level Access Level Access Level Access Level Access Level Access Level Access Level Access Level Access Level Access Level A	
✓ <u>□</u> k ズ <u>C</u> ancel ② <u>H</u> elp	Access Control Model Time Schedule	

Doors

-

Entry/Exit permissions in XPressEntry are set by doors. A door contains one or two readers for exit and entry. If access areas are configured in Fusion, they should also be configured in XPressEntry. The example below shows a door that has been pulled from DNA Fusion.

				XP	ress	Entry	y Dod	ors						
<u>File</u>	Tools	View		Logout		Entry/	Exit	之	Muster					<u>Help</u>
Entry/Exit Muster Activity	History Me	essages Add/	Edit Info	Server Activi	ty									
					Exterr	nal Re	cord							
Filter:			Users	Companies	Groups	Zones	Rooms	Doors	Readers	RFID	Roles	Timezone	s Certificates	Pre-F
Controller 1: ACM 1 Controller 1: ACM 2 AND Con	troller 1: AC	M 2- OUT	Door	Name										
Controller 1: ACM 2 AND Controller 1: ACM 2-OUT			Controller 1: ACM 2 AND Controller 1: ACM 2- OUT											
Controller2: ACM 1 AND Cont Controller2: ACM 1 AND Cont	troller2: ACN	11-OUT	Start 2	7one										
Telaeris Handhelds: ACM 1 A	AND Telaeris	Handhelds: A	(2) C	ontroller 1: Par	kina Lot				4					
Test Door			IN COLUMN											
			End Z	lone	4									
			(3) (4	ontroller 1: Buil	ding				~					
			Door	RFID Tag #										
			Extern	al Entry Read	er									
			Contr	oller 1: ACM 2	2				~					
			Extern	al Exit Reade	r									
			Contr	oller 1: ACM 2	OUT				~					
Time to Read	8 Records	0.01 seconds	A	dd New		Dele	te		Save		Car	ncel		3
														L
Activity Partial Full I	Total Ucc	upancy: 10 ins	ilde 2 Zon		JA E	usion		isages		1		Service Ru	nning Locally	
				DI	VAT	usior	1 D00	// 5						
ors	9					Ha	rdware P	ropertie	s: DOOR I	1.1.D2				
1.1.D1: ACM 1	Coror	mon Propert	ties	Aduption	d									
1.1.D2: ACM 2	Door	Objects		Auvance	u									
1.1.D3: ACM 2- OUT	Adva	nced		Anti-P	ass Ba	CK (AP	B) Sett	ings –			_			
1.1.D5: ACM 4- OUT	Macro Daine	d Deer C-44		Uption:	Acce	pt any	location	, chang	je on en	try	*	Delay:	1 min 🏻	
1.1.D6: ACM 6 1.1.D7: ACM 6- OUT	Auto	Unlock	nigs	From:	Area	2: Par	king Lot	-		Т	o: Are	ea 3: Build	ling '	·
Gs				Deer		tour								
tess Areas				Door	arame	ters								

.

🚊 🔲 Doors		
	Common Properties	Advanced
🕂 🔶 📃 1.1.D2: ACM 2	- Door Objects	
	Advanced	Anti-Pass Back (APB) Settings
Ē	Macros	Option: Accept any location, change on entry 🔻 Delay: 1 min 💌
	- Paired Door Settings	
	- Auto Unlock	From: Area 2: Parking Lot To: Area 3: Building
		Door Parameters
		Decrement use limits Require 2 card control "Wait" for Missing Cards
Channel: 2. (Ethernet (TCP/IP)):		■ Require use limit > 0 ■ Biometric Verification ■ Enable door forced 3 second filter
Channel: 3, (Ethernet (TCP/IP)): Tel		Set to deny duress Enroll On Access (Bio) No reset on Held Timer
		Log all requests as used Host Verification Enforce CARD before PIN
		Do NOT pulse on REX Enable Cipher Mode Grant if Host Offline
		Filter Change Of State Grant First Log Later Allow Double Swipe
		CLogging Based on Deny Violations
		Not-In-File: PIN Only Mode Bad PIN: Card & PIN Mode Violations: 0 🔹 attempts
		Not-In-File: Cupher Mode Riometric failures Poset Time:
		The seconds the seconds
		Deactivate if bad PIN
		Secondary Request To Exit (REX)
	A TK	
		Address: *None*
	💥 Cancel	Carandam Dandan
		Addeen Address
		Auuress. None" Edit
	<u> </u>	Secondary Type: None (Ignore data from reader)

Readers

In XPressEntry's Open Options integration, it is not necessary to associate any reader in the system with a handheld. Instead, **handhelds** should be set to a **door**. It will then use the **external** exit and entry **readers** to verify **access** through the door.

A handheld unit can logically represent any reader in the building. For example, imagine that you have handheld A stationed at door A. Door A has two readers associated with it: Reader A-Entry and Reader A- Exit. The employee holding the handheld sets the handheld's door to Door A. When the employee sees a cardholder walking towards the building, he sets the handheld to Entry mode and scans the cardholder's badge. The handheld in entry mode identifies itself as reader A-Entry and sends an activity to the server.

Later, there is heavy volume exiting Door B. Door B has two readers associated with it: Reader B-Entry and Reader B-Exit. The employee from door A is called to help and brings handheld A. He sets the door on his handheld to Door B and the mode to Exit. When he begins scanning people walking out of the door, the handheld identifies itself as Reader B-Exit and sends each scan as an activity to the server.

Activities

XPressEntry will synchronize activities to DNA Fusion if that option has been set by Data Manager.

Entry/Exit activities will be sent to the Events Manager in DNA Fusion. The user's badge will be linked to the event record. There will also be information about the access event.

- Where the badge was scanned (ex. Back Door Entry Reader)
- Who was scanned
- Time the scan occurred
- Event Index of the scan
 - 72 for Access Granted
 - 73 for Access Denied (level)
 - 55 for Access Denied, Not in Card File