

XPressEntry / Maxxess

Revision 08/20/2023

For use with the XPressEntry Mobile Access Control System

By



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Purpose

This document is intended to instruct users on how to synchronize an XPressEntry system with an eFusion 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

- 1. Maxxess eFusion version 6.3+
- 2. eFusion Web API License
- 3. eFusion ExternalOfflineReader License
- 4. XPressEntry 3.3+
- 5. XPressEntry License with Maxxess Feature Enabled

Setting Up eFusion to Synchronize with XPressEntry

It is assumed that eFusion is installed. You must first install the **Maxxess Web API** and **enable External Offline Readers** in the Maxxess System.

Order of Operations

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

Setup eFusion Data and Settings

Enable ExternalOfflineReader

- 1. Go to eFusion Service Manager. Click **Setup > Integrators.**
- 2. Expand **Installed Integrators**, and right click ExternalReaderOffline. **Select New Integrator**. If you do not see this, please reach out to your Maxxess rep or integrator.
- 3. Save The new **ExternalReaderOffline**.

*Note: Make sure the Debug value is set to 0, or events may not be sent to Maxxess Transaction logs.

🤯 Service Manager										_		\times
System Master	«	ப் Service Control	🔗 Relink	T Filter	Pause Scrolling	>_ Command			×			
I Close ← Exit ≁ Log In/Out I Logging	>	Hide Quality (%): Polls (#/Sec): Poll Time (mSec): Process Time (mSec): Event Freq (#/Sec): Latency (Sec): Database Oucue:		0 0 0 0 0 0	2023-08-18 08:36:40 1 2023-08-18 08:46:40 1 2023-08-18 08:56:41 1 2023-08-18 09:06:41 1 2023-08-18 09:16:41 1 2023-08-18 09:16:41 1 2023-08-18 09:26:41 1 2023-08-18 09:46:42 1 2023-08-18 09:46:43 1 2023-08-18 10:06:43 1	AAXXESS - SMSWeb AAXXESS - SMSWeb	pinterface Connection establis pinterface Connection establis	hed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb shed SMSWeb	API API API API API API API API API			^
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Maxxess Systems © 2023 V	ersior	7.1.22080.0						MAXXESS	Started Linked 8	/18/2023 2	31:21 PM	1 .

Figure 1 – Service Manager Integrator

Integrators			-	- 🗆	\times
🖬 Save 🏷 Undo 前 Delete 🕂 Add 🕻	🖯 Remo	ive 🎽 App Note			
- MAXXESS	^	ExternalReaderOffline			^
		Integrator Type	ExternalReaderOffline		
MAXXESS - Archive-Backup (MP1)		Name	ExternalReaderOffline		
MAXXESS - CardStartStop (MP2)		Workstation	MAXXESS		
ExternalReaderOffline (MP6)		Address	б		
Installed Integrators		Enable	True		
- Archive-Backup		EndPoint system			
Bioscrypt Integrator		Capture			
BoschautomationModeOne		Port	1727		
DeictorDrovCofe		Capture parameters	0 10 0 1000		
DMD XR500		 Extraction 			
- EchoStream		Maximum Lines	100		
EfficientImage		Sync String	<events></events>		
EmailClient		Time Line	1		
eMobile		Event Line	1		
EventQuery		Default Event	S7		
- External Reader		Details Line	1		
ExternalReaderOffline		✓ General			
FaceKey Integrator		Speed	10		
GalaxyIntrusion		Heartbeat Time	0		
GenericInterface		Heartbeat String			~
GentFire	ľ	Add Match			
HotKeyReceiver		Set the Event code for Status 15			
Import-Export		Set the Event tode for Status 15			
Incluse Constantial and an	*				

Figure 2 – ExternalReaderOffline

Operator

- 1. Set up an operator for the XPressEntry synchronization. This operator can be an **existing operator**, or a **specific account** used as a service account specially for XPressEntry.
- 2. From the eFusion menu at the top, select **Configuration > Operator Privileges**.
- 3. If adding a new operator, select **New**. Add a name, username, and password. Enable **Administrator** checkbox. Click Save.





Figure 4 – Operator Configuration

dministrator eight	Name:	telaeris			New
idministrator five	User name:	Telaeris	Administrator		Delete
administrator one administrator seven	Password:	•••••	Enable		Delete
idministrator six idministrator three	Language:	_Default		\sim	Save
idministrator two French Admin	Email:				Cancel
ull operator	Password expiration:	12/31/2100			C
ull operator 3	Operator expiration:	12/31/2100			Сору
ull Operator 5	Partition:	_None		\sim	Options
ull Operator 7	Plan:	_Default		\sim	
ull Operator 8 imited Operator 5	Schedule:	24 hour		\sim	
imited Operator 6 Read Only operator 4					
ystem Master elaeris					

Area Controller

- 1. Select Area Controllers under **Configuration > Devices > Area Controllers**.
- 2. Add a new Area Controller. You may name it **XPressEntry** or anything to identify the controller's association to the XPressEntry system.
- 3. Set the Type to **Telaeris**. Click Save.

Figure 5 – eFusion Area Controllers



Configuration						×
Image: Command Buttons Image: Command Butto	nsors new	tEDGE Pr cies Pr Schedules Doors Mame <u>W</u> orkstation <u>A</u> ddress Type	iorities rocedures Elevators XPressEntr MAXXESS 0	Alam Routing Triggers atic changes Floors y	Default Messag	es Plans Areas EndPoint Wew Delete Save Cancel
					Close	Help (F1)

Figure 5 – Area Controllers Configuration

Panels

- 1. Create a new Panel and give it a name.
- 2. Set the Type to **Telaeris Panel**. Telaeris Panel allows the creation of up to **50** entry and exit readers. Select **Enable**.
- 3. If you would like to create the max number of readers, select **Add Point**. If not, make sure to unselect the checkbox. Click Save.

Figure 6 – *Panels Configuration*

Configuration					X
Image: Sensors Image: Sensor	etEDGE 🌮 Prio encies 💠 Pro L Schedules	rities Q cedures d Autom Elevators	Alamn Routing Triggers atic changes	Default Messag Counters Elevator Groups	es 🛃 Plans 🔆 Areas 📰 EndPoint 😵 Outputs
_R13 LP2500 U167 MR16IN Panel 3 _R13 LP2500 U167 MR16INS3 Panel 2 _R13 LP2500 U167 MR16OUT Panel 4 _R13 LP2500 U167 MR16OUT S3 Panel 4 _R13 LP2500 U167 MR16OUT S3 Panel 4 _R13 LP2500 U167 MR52 Panel 1 BACnet Panel Sensor 0 Bosch Panel (MX00081.P34.1.0) Bosch Panel (MX00081.P35.1.0) Bosch Panel (MX00081.P36.1.0) EP1501 U127 Sallis P1 eRAM R7 BLP 1 eRAM R7 BLP 2 eRAM R7 IIP Panel 3 Handhelds V	Name: Module: Panel: Type:	XPressEntr MAXXESS 4 Telaeris Pa Enable Add poin	y Handheld I.RO anel	Telaeris	New Delete Save Cancel Configure
				Close	Help (F1)

Doors

Create doors in eFusion. You can create as many doors as needed. One for Entry and one for Exit is common per door. Add a name, select the **XPressEntry Panel**. Click Save.

Configuration				×
Image: Sensors Image: Sensor	Priorities Q Procedures hedules Autor Elevators	Alarm Routing Triggers natic changes	Default Messag	es 💼 Plans 💬 Areas EndPoint 😵 Outputs
Module:	Name: Main Gate scription: XPressEr Door: 2 Address: MAXXES v Picture: Never Telaeris	e Entry	control list	New Delete Save Cancel Copy Configure
			Close	Help (F1)

Figure 6 – Doors Configuration

Access Levels

Add the new doors to the required access level. Select Access Level under **Personnel > Access Levels.**



System Master - Log	gged in on Thu, 8/17/2023 at 3:16:09 PM	- ts Status View Window Heln						>	×
Statistics operation in call	Cardholders (multiple badge)	Design [Control	🔊 Reports	🔊 Mute	Links	GFusion			
Default	Cardiolders trans Cardholders test Temp Contractors Visitors Departments Access Levels Precision Access Templates				System Status Active Points Area Controlle Disaffed Zons Disaffed Zons Doors in Lock Elevator Floor Elevator Floor Floor Status PS Group Status Status door status	r Status te 30 wm State puts te te s \$ \$ Us	Module MultiPort (MAXX System Monitor Test	Status Ping Success Online	
	MAXES	S empowering people. transforming security.			Still on site System Monito Unlocked do Workstations Zones Not Re	ν νΩtine rc α dy			
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of Use art 1		
Set 1	Londo: 10	Delete
	LP2500 U167 MR51e P105-d02	Delete
test I	A L P1501 U071 B71 On-Board Papel 0-d01	
test 2		Save N
test 3	BURI3 LP2500 0167 MR52 Panel Fd01	12
test 4	III LP2500 U167 MR52 Panel 1-d02	Cancel
test o	CU4200 Door 1	Cance
test b	CLU200 Dec 2	
test /	iji CU42U Door 2	Copy
test 8	U122 R3 MR52 P1-d01	
test 9	EP2500 U152 R3 MR52 P1-d02	Ontions
	ĨP _e RAM B7 BLP 1⊲01	Options
10 400		
10400	INF CHAM R / BLP 1-d02	
ode Reader	¹ eRAM R7 BLP 2-d01	
	RAM R7 RI P 2:402	
Level 10		
Level 11	u Main Gate Entry	
Level 12	1. 1° Offline Keypad	
evel 14	PCSC IQ400 U155 R27 P-d01	
evel 14		
aval 16	III FOOD 10400 0135 R2_F002	
avel 17	IF PCSC IQ400 0155 R2/_P-d03	
avel 19	III PCSC IQ400 U155 R27 P-d04	
avel 19	Ream 100	
evel 2		
aval 20	BJ Salis Door I	
aval 21	Suite Parent	
avel 22	I SVN CU 174	
aval 23	T	
aval 24	Igu Test Er 1501 0127 R4 MR51e Fanel 161-001	
aval 25	Test EP1501 U127 R4 MR51e Panel 161-d02	
aval 26	IV Tart EP1501 U127 R/ Panel 0-001	
aval 27		
evel 27	None 24 Hour Schedule	
ave 29		
avel 3	Activate: 1/ 1/2000 12:00:00 AM	
evel 30	17 17200 12.000 AM 5	
evel 31	Deactivate:	
evel 32	12/31/2100 12:00:00 AM	
Candhaldan Assimadi 1999	Escort Escort required	

Enable XPressEntry Synchronization

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

🛃 XPressEn	itry - 3.	.5.6413 - Te	elaeris (L	ogged In I	User: Ac	dministrat	or, Compa	iny)						- 0	\times
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Entry/Exit Mu	Se	ttings	A	t+S is	tory Me	essages A	dd/Edit Info	Logs							
Zone	Re	ndheld Sta	itus Ctr	1+R 11,) Monica			Banderas, Ar	All Zones	(Occ	Jenkins, Winford		Clooney, George	Current Occupar	its ~
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			× :	• 🕝				Ac	tivity Oco	urrin	g in Last Day			0	
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			В	ell, Monica		A	07/	11 06:25:27	Outside		Building 1	Main Gate 1	Handheld 4	True	
			G	ale, Sarah		0	07/	11 06:24:47	Outside		Building 1	Main Gate 1	Handheld 4	True	
			P	ennington,	Ma	9	07/	11 06:24:03	Outside		Building 1	Main Gate 1	Handheld 4	ACCESS DEF	vi
			G	ale, Sarah		0	07/	11 05:13:51	Outside		Building 1	Main Gate 1	Handheld 4	True	
Activity Occu	ipancy	Partial Fr	all	Total C	Cupan	cv: 7 Inside	e 1 Zone	1	0.11	nread M	essanes	1	Service Running	1 Locally	

Figure 8 – *XPressEntry*

Data Manager Tab

From the Settings page select the Data Manager Tab.

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

J XPressEntry Settings			— П	×
File Database SQL Import/Export				~
	P Type MAXXESS	~	Add Bemove	_
⊟ General Add / Edit Display	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-
Badges RFID User Defined Fields	Name MAXXESS	Prefix		
Muster Settings Question Setup	MAXXESS - Prefix(MAXXESS))		
Logging Client Settings				
Wiegand Format Data				
Database I Data Manager				
Reader Profiles Handheld Functionality				
Reader Validations Passwords Radae Settings				
Custom Display Validation Colors				
Doors Trend Settings				
Alert Settings Email Settings Twilio Alerts				
			Sanity Check Data	
			Save C	ancel

Figure 9 – Data Manager

Sync Timers XPressEntry uses Timers to pull eFusion Data into XPressEntry.

Figure 10 – Enabled Data Manager + Sync Timers

XPressEntry Settings						-	
File Database SQL Import/Exp	ort						
	🖉 Enable Data Manag	er Type: M/	AXXESS			Setup D	ata Manager
General Add / Edit Display	Sync Timers Sync Op	tions				3	-
RFID User Defined Fields Muster Settings		Disab	le Concurrent Syncs			Send XPressEnt	ry Activities Now
Question Setup Logging Client Settings	Download Activity Frequence	у		Set	Clear	Download A	ctivity Now
Wegand Format Data Server Service Settings Database Database Data Manager MAXXESS Software Event Viewer Reader Volidations Handheld Functionality Reader Validations Badge Settings Custom Display Validation Colors Doors Trend Settings Alert Settings Twilio Alerts	Occupancy Sync Frequence	;y		Set	Clear	Occupancy	Sync Now
	Partial Sync Upda Frequence	te cy		Set	Clear	Partial Sy	nc Now
	Full Sync Update Frequence	-y		Set	Clear	Full Syn	c Now
	Custom Sync Upda Frequence	te		Set	Clear	Custom S	ync Now
	Data Manager Live Log View	Pause	Mirror Log To:				Browse
	DEBUG DataManager Settings Up VERBOSE DB Query for deteiled re LIKE MAXXESS_% AND deteiled , INFO: UDFs Updated 11 DEBUG: udfs Updated 11 DEBUG: udfs Updated 11 DEBUG: Udfs Updated 01 DEBUG: Updateg UDFs DEBUG: DataManagers Restarted DEBUG: DataManagers Restarted	dated cords: SELECT id, at IS NULL	external_id from udfs	WHERE ex	ternal_id is no	t null AND external_id -	-> " AND external_i
	1					Save	Cancel

- 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.
- 3. **Partial Sync Frequency** Pulls all data excluding cardholder data, including readers, areas, access levels.
- 4. **Full Sync Update Frequency** Updates all tables by pulling all necessary records from eFusion. 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**. For a Maxxess integration, it is recommended to set the following:

Custom	Table Sync				_	
	Add Table)one
Table	USERS	✓ ✓ Partial?	3 Table	BADGES	✓ ✓ Partial?	3
Table	GROUPS_USERS	✓ ✓ Partial?	0			

Sync Options

Figure 11 – Sync Options

General Add / Edit Display Badges Pull DataManager Occupancy Event Processing Retry Count 3 Winder Settings Default Outside Zone Default Role	General Add / Edit Display Badges FIO Hito Pull DataManager Occupancy User Defined Fields Default Outside Zone Logging Pull DataManager Activities into XPressEntry Client Settings Pull Data Manager Activities into XPressEntry Weigard Format Data Pull Data Manager Activities into XPressEntry Server Send Activities Retry Count Server Send Activities Retry Count Data Manager Watch Tables via Software Events MAX2ESS Enable Message Queue MAX2ESS Enable Message Queue Marker Settings Clear External Data Validations Passwords Data Manager Settings Custom Display Validations Passwords Badge Settings Clear Data Manager Settings Custom Display Data Manager Live Log View Pause Marror Log To: Browse	P	Enable Data Manager Type: MAXXESS		Setup	Data Manag	er
RFID User Defined Fields Image: Pull DataManager Occupancy Event Processing Retry Count 3 Muster Sottings Guestion Setup Logging Default Outside Zone Default Role Client Settings Pull Data Manager Activities into XPressEntry Activities to Data Manager DMPrefix Server Server Send Activities Retry Count 3 Database Watch Tables via Software Events Muster Scanned Users never Database Watch Tables via Software Events Manager MAXXESS Enable Message Queue Ressage Queue Pader Profiles Message Queue Name \Private\$\DataManagerEvent Hardheld Functionality Reader Validations Event Processing Loop Limit 10 Paston Display Validation Colors Clear Data Manager Settings Clear External Data	RFID User Defined Fields Image: Default Role User Defined Fields Default Cutside Zone Default Role Client Settings Pull Data Manager Activities into XPressEntry Default Role Client Settings Pull Data Manager Activities into XPressEntry DMPrefix Server Server Senver Default Role Server Server Senver Muster Scanned Users DMPrefix Babase Watch Tables vis Software Events Muster Scanned Users mever Muster Scanned Users Data Manager Watch Tables vis Software Events Enable Message Queue Message Queue Name Muster Scanned Users Muster Scanned Users Reader Porifies Message Queue Name .PrivateSIDataManagerEvent Message Queue Name PrivateSIDataManagerEvent Reader Vaidations Passwords Event Processing Loop Limit 10 Clear External Data Doors Clear Data Manager Live Log View Pause Mirror Log To: Browse Twilio Alerts Twilio Alerts Pause Mirror Log To: Browse	General Add / Edit Display Badges	Sync Timers Sync Options				
Custom Display Validation Colors Doors Trend Settings Clear Data Manager Settings Clear External Data	Custom Display Validation Colors Doors Trend Settings Alert Settings Email Settings Twilio Alerts	RFID User Defined Fields Muster Settings Cuestion Setup Logging Client Settings Wiegand Format Data Server Service Settings Database Database Data Manager MAXXESS Software Event Viewer Reader Profiles Handheld Functionality Reader Validations Passwords Badge Settings	Pull DataManager Occupancy Default Outside Zone Pull Data Manager Activities into XPressEntry Pull Data Manager Activities to Data Manager Send Activities Retry Count Watch Tables via Software Events Enable Message Queue Message Queue Name \\PrivateSIDataManagerEvent Event Processing Loop Limit 10	Event Processing Retry Cr Default Role DMPrefix Muster Scanned Users	never		c
Alert Settings Email Settings Twilio Alerts		Custom Display Validation Colors Doors Trend Settings Alert Settings Email Settings Twilio Alerts	Clear Data Manager Settings Data Manager Live Log View Pause Mirror Log To:	Clear External I	Data	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.
- 3. **Push XPressEntry Activities to Data Manager** Enables XPressEntry to push Scan data to eFusion.
- 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 Maxxess specific settings.
- 8. Clear DataManager Settings Resets all settings on the two above tabs, as well as the Maxxess specific settings.
- 9. Clear External Data Deletes all data synced from Maxxess from the XPressEntry Database.

eFusion Data Manager Setup Page

1. Press the **Setup Data Manager** button to get the eFusion specific setup screen. In the new window, you will see the following:

Figure 12 – eFusion Data Manager Setup

Maxess Data	Manager Setup						-		×
Server IP	localhost	User	Mappings Bad	ge Mappings		Destination Columns			
Server Port	✓ Use SSL Validate SSL Cert				~			~	
Events Port	1727		Source Field	XPressEntry	Field				
Username	Telaeris) H							
Password	*****								
Page Size	1000								
	No Emp Pictures								
	Use Cardholder Expiration Dates								
Emp Tomplate	Sync Cardhodlers with UDFs								
Test Conne Status	ct Defaults OK								
อเสเนร									

- a. Server IP IP or Hostname of the eFusion server
- b. Server Port Port of the eFusion server, if required. Leaving this blank is ok.
- c. Use SSL SSL Encryption for eFusion and XPressEntry communication. This is recommended to be **checked**.
- d. Validate SSL Cert Only check if there is a signed certificate in use with the eFusion System.
- e. **eFusion Login** Login (username + password) info for eFusion Operator.
- f. **Page Size** Set the page size per API query. This may depend on system specs and networking resources. Recommended Page Size is **1000**.
- g. **No Emp Pictures** If checked, this will disable the picture sync of cardholders from eFusion.
- h. Use Cardholder Expiration Dates If checked, this will set the XPressEntry badges to expire if a cardholder has an expiration date in eFusion.
- i. **Emp Template** Add the cardholder template type. **Cardholders MX** is the common template used.
- j. User Mappings Allows UDF fields from the Cardholder in Maxxess to be synced over to XPressEntry cardholder fields and User Defined Fields (UDFs).
 - i. Set your Source Column value (UDF Value from eFusion) to the Destination Column (Field in XPressEntry).
 - ii. Click the Plus Icon to Add it to the list below.
- k. Badge Mappings Allows custom badge fields from the Badge in Maxxess to be synced

over to XPressEntry badge fields and Badge Defined Fields (BDFs).

- i. Set your Source Column value (BDF Value from eFusion) to the Destination Column (Field in XPressEntry).
- ii. Click the Plus Icon to Add it to the list below.
- 1. **Test Connect** Test connection to the eFusion System. Connection Success will be displayed if a connection is established.
- m. **Defaults** Reset all settings to the default.

XPressEntry Data

After setting up the data manager, run the initial **Full Sync** to pull data from eFusion. Once the eFusion System is set up and synchronizing, you will see this data represented in XPressEntry under the **Add/Edit Info** tab.

Data which is imported from eFusion cannot be changed and is greyed out in XPressEntry without proper permissions.

Users

Here is a sample of a properly synchronized user:

Figure 13 – Users

- 1.be -	(<u></u> ,	<u> </u>							_	
≶ File 🏼 📅 Tools 🐲 V	'iew 👞 Logout	Entry/Exit	Muster							🕑 Hel
ntry/Exit Muster Events HealthCheo	k Activity History Messa	ages Add/Edit Inf	0 Logs							
		A				_				
Filter:	♀	Users 1 Co	mpanies 👋 Group	os 🤮 Zones 📗	Doors	🔲 Readers 👍	Roles (Timezones 👔	Badge Types	4₽ M ◀
Administrator, Company		User Permissi	ons Contact mio	UDFS/MISC						
Banderas, Antonio		First Name	Last Na	me	MI		Photo [FΡ		
Jooney, George		Monica	Bell						_	
Crain, Samuel Trey, George		Company	Sample Company		\sim			0		
Gale, Sarah		Emp ID				Visitor				
enkins, Winford		Zone	Building 1		~	Host		(Control)		
Kemp, Mark ehmen: Corev			Zone Entry: 07/20 1	0:26:49 AM				No.		
ouie, Hannah			Last Reader:					K		
ennington, Matt										
homas, Michelle										
		Role	Entrant		\sim		Chang	je Crop De	elete	
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		Start Date								
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		Badges (0)	Add Badge	ODelete Ba	adge 🤅	View History	/	Print Badge		
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		▶ 457		5/	27/2020					~
		752		5/	20/2020					
		Add New	Delete	Save		Cancol				

Activity Occupancy Partial Full | Total Occupancy: 6 Inside 1 Zone | O Unread Messages | Service Running Locally All External Records (From eFusion) 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 eFusion. The badge number can be seen at the bottom of the screen.

User Permissions

Users in XPressEntry have the **same permissions** to each reader as they do in eFusion. This is regardless of whether the user is assigned an Access Code, Reader Group, or direct access to a Reader.

XPressEntry - 3.5.6413 - Telaeris (Logged In User: Adm	ninistrator, Company)		-	
Eile 🔐 Tools 🧭 View 🐋 Logout	Entry/Exit Muster			Help 😯
Entry/Exit Muster Events HealthCheck Activity History Mess	sages Add/Edit Info Logs			
Filter.	& Users in Companies & Groups User Permissions Contact Info U	₩ Zones Doors Readers	🔓 Roles 👩 Timezones 🎁 Badg	e Types 🖷 M 🔹 🕨
Administrator, Company Banderas, Antonio Bell Monica	Access Groups	0	Add User to Group	
Clooney, George Crain, Samuel	All Access			~
Frey, George Gale, Sarah			Allow User to Zone	
Gheller, Henry Jenkins, Winford				~
Kemp, Mark Lehmen, Corey	Direct Zone Permissions	o	Allow User to Timezone	
Marshall, James Pennington, Matt	Zone Name			~
Thomas, Michelle				
	Allowed Times	8		
	Timezone Start EndTir	ne Mon		
Time to Read 15 Records: 1.84 seconds	Add New Delete	Save Cancel		
Activity Occurrency Particl Full Total Occurrency	6 Incide 1 Zene	O Lineard Massages	L Convice Dumping L	eeelly

Figure 13 – Permissions

Doors

Entry/Exit permissions in XPressEntry are set by doors. Doors contain **two readers** – an exit and an entry **reader.**

Door access is determined by the user's access to the door's reader. For **entry**, permission is based on the user's access to the door's **external entry reader**. For **exit**, permission is based on the user's access to the door's **external exit reader**. Doors should be set by the user for each Handheld Reader in XPressEntry.

The XPressEntry Integration with eFusion does not require additional start and end zones. If no zone is assigned, handheld activity will not populate to eFusion.

- 1. For each door, set the **start** zone to **Outside** and the **end** zone to **Building**. This helps to determine directionality.
- 2. For proper occupancy tracking, set the start and end zone to zones created in the Zones tab.
 - a. Start zone The area the user will enter from.
 - i. External Entry Reader will be assigned to the eFusion Reader created for Entry.
 - b. End zone The area end user will end up.
 - i. **External Exit Reader** will be assigned to the eFusion Reader created for Exit if there is one.
 - c. Attach the logical entry and exit door reader that you created in eFusion to a door. The readers are named based off the eFusion Door created.
 - d. You can also leave either the Entry or Exit reader blank if you are not utilizing the specific entry/exit mode.

	Figure 14 – Doors	
File I Tools 🛞 View 🔌 Logout	Entry/Exit Muster	Help
Entry/Exit Muster Activity History Messages Add/Edit Info Server Act	ity	
Fiter:	Users Companies Groups Zones Doors Readers Roles Timezones Muster Sites	
Lest Lloor	Door Name	
	Main Gate	
	Start Zone	
	Outside 🗸 🗸	
	End Zone	
	Building ~	
	Door RFID Tag #	
	External Entry Reader	
	Main Gate Entry \checkmark X	
	External Exit Reader	
	~ ×	
Time to Read 1 Records: 0.01 seconds	Add New Delete Save Cancel	
Activity Occupancy Partial Full Total Occupancy: 3 Insi	a 1 Zone 0 Unread Messages	Service Running Locally:

Activities

XPressEntry will synchronize activities to eFusion if that option has been set by the Data Manager.

Entry/Exit activities will be sent to eFusion and display the results in the Transaction logs.

Wiegand Formats for Maxxess Systems

Maxxess Stores card numbers in a FacilityCode-CardNumber format. This means we need to show XPressEntry how those cards are formatted.

Depending on the card format, you will need to do something like the below to modify the standard Wiegand formats to output the handheld badge numbers appropriately.

```
[Wiegand26]
Enabled = True
Reverse Byte Order = True
Number Bits = 26
Field 0 = Parity Even, 0, 1, LEFT_TO_RIGHT
Field 1 = Employee No, 1, 16, LEFT_TO_RIGHT
Field 2 = Facility Code, 17, 8, LEFT_TO_RIGHT
Field 3 = Parity Odd, 25, 1, LEFT_TO_RIGHT
Field 4 = Not Defined, 0, 0, LEFT_TO_RIGHT
Field 5 = Not Defined, 0, 0, LEFT_TO_RIGHT
Field 6 = Not Defined, 0, 0, LEFT_TO_RIGHT
Field 7 = Not Defined, 0, 0, LEFT_TO_RIGHT Parity Even Start = 1
Parity Even End = 12 Parity Odd Start = 13 Parity Odd End = 24
Output Format = %FACILITY_CODE%-%EMPLOYEE_NO%
```