

XPRESSENTRY

XPressEntry / Genetec

Revision 07/10/2023

For use with the
XPressEntry Mobile Access Control System

By



Important Notice

Your right to copy XPressEntry software and this manual is limited by copyright laws. Making copies, adaptations, or compilation works (except copies of XPressEntry software for archival purposes as an essential step in the utilization of the program in conjunction with the equipment), without prior written authorization of Telaeris, Inc., is prohibited by law and constitutes a punishable violation of the law.

This software and documentation are copyrighted by Telaeris, Inc. The software and documentation are licensed, not sold, and may be used or copied only in accordance with the Telaeris License Agreement accompanying the software.

© 2023 Telaeris, Inc.

All rights reserved worldwide.

Information in this document is subject to change without notice.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning, digitizing, or otherwise, without the prior written consent of Telaeris, Inc.

Trademark Acknowledgements

XPressEntry is a trademark of Telaeris, Inc.

Microsoft, Windows, and Access are trademarks or registered trademarks of Microsoft Corporation.

Other company and product names may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Telaeris, Inc.
4101 Randolph Street
San Diego, California 92103
United States of America

(858) 627-9700

www.telaeris.com

Contents

Purpose3

Installation Pre-requisites3

License Requirements.....3

Synchronizing Genetec Security Center with XPressEntry3

 Setup Synergis™ RIO Protocol3

 Enable RIO Protocol on Synergis™ Cloud Link.....3

 Setup Genetec Data and Settings4

 Handhelds4

 Create Door.....4

 Enable XPressEntry Synchronization6

 Choosing the Genetec SDK to Run7

 Environmental Variables7

 Binding Redirect Based on SDK Version.....8

 Data Manager Tab8

 Sync Timers9

 Sync Options.....9

 Genetec Data Manager Setup Page.....10

Setup XPressEntry Data.....12

 Users12

 User Permissions.....14

 Creating RIO Readers and Mapping it to Doors.....15

 Add Readers to Door15

 Doors.....17

 Readers18

 Activities.....19

Purpose

This document is intended to instruct users on how to synchronize an XPressEntry system with a Genetec Security Center system.

Installation Pre-requisites

1. Genetec Security Center 5.8+ GA or newer
2. Genetec SDK 5.8+ or newer
3. Synergis™ Softwire Appliance
 - a. Installed via Cloud Link device or as a service via Windows.
4. XPressEntry Server 3.3+ (Provided by Telaeris)
5. Genetec Administrator User Login Access
6. Synergis™ Appliance User Login Access
7. TCP Ports 5500 and 8012 are open between XPressEntry and Genetec

License Requirements

1. Genetec SDK License Certificate Part Number: **GSC-1SDK-Telaeris-XPressEntry**
2. XPressEntry License with Genetec Feature Enabled

Synchronizing Genetec Security Center with XPressEntry

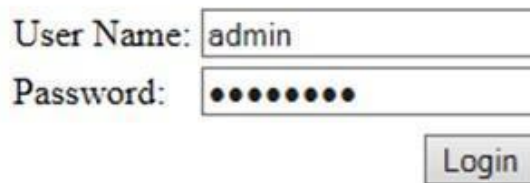
It is assumed that Genetec Security Center and Synergis™ Cloud Link appliance is installed.

Setup Synergis™ RIO Protocol

Enable RIO Protocol on Synergis™ Cloud Link

1. To enable the RIO Protocol on the Synergis™ Cloud Link appliance, open a web browser on a PC that can communicate with the Synergis™ Cloud Link appliance.
2. Add the following into the URL: [https://\[UnitIP\]/Features/DuiRIO/Enabled/Set?value=true](https://[UnitIP]/Features/DuiRIO/Enabled/Set?value=true), where **[Unit IP]** is the **IP address** of your Synergis™ Cloud Link appliance.
3. Login to the Synergis software.
 - a. Default username: admin

Login



User Name:

Password:

- b. Default password: softwire
4. After successfully logging in, click the link below. If successful, you will receive a confirmation that says, Feature Enabled.

Login successful

[Logout](#)

<https://genetec57.ad.telaeris.com/Features/DuiRIO/Enabled/Set?value=true>

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<Response>Feature enabled</Response>
```

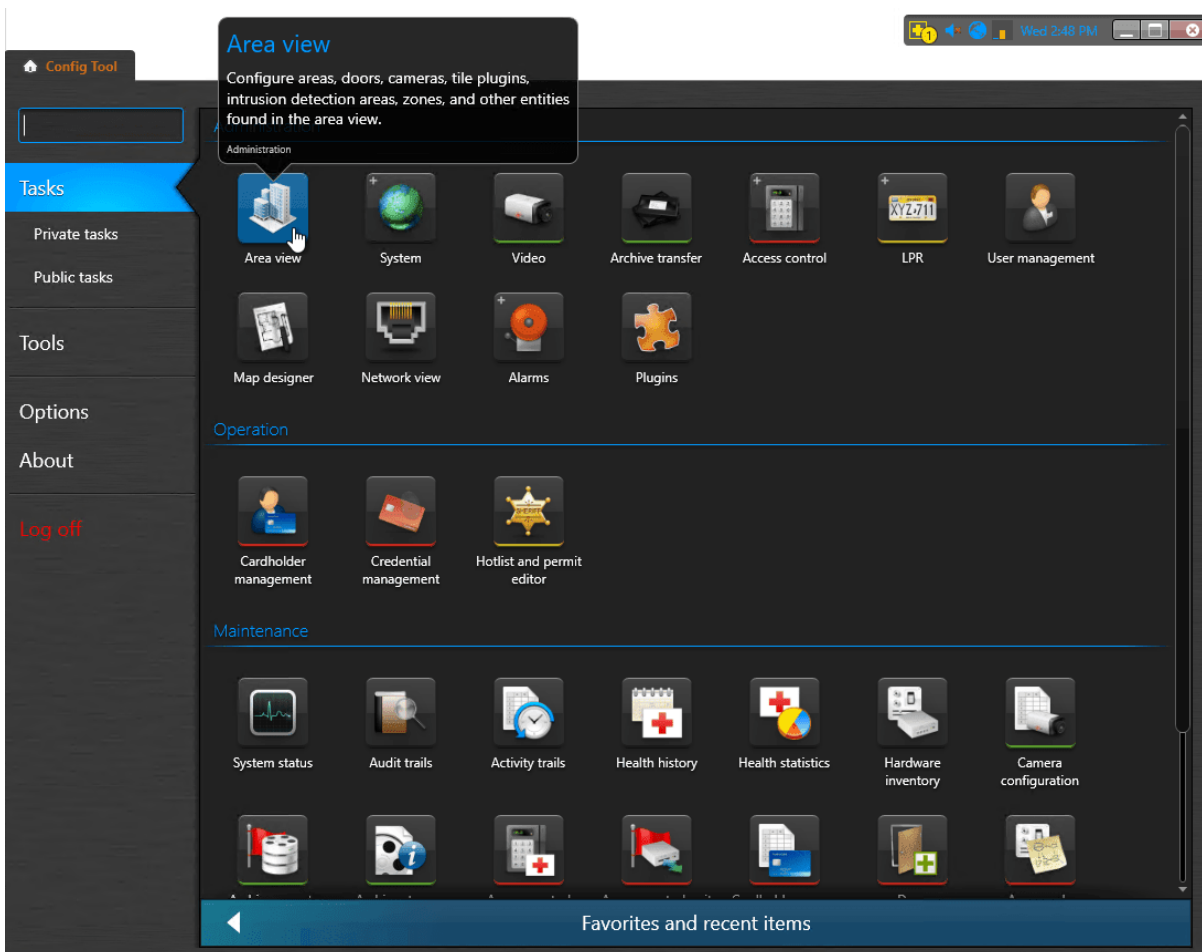
Setup Genetec Data and Settings

Handhelds

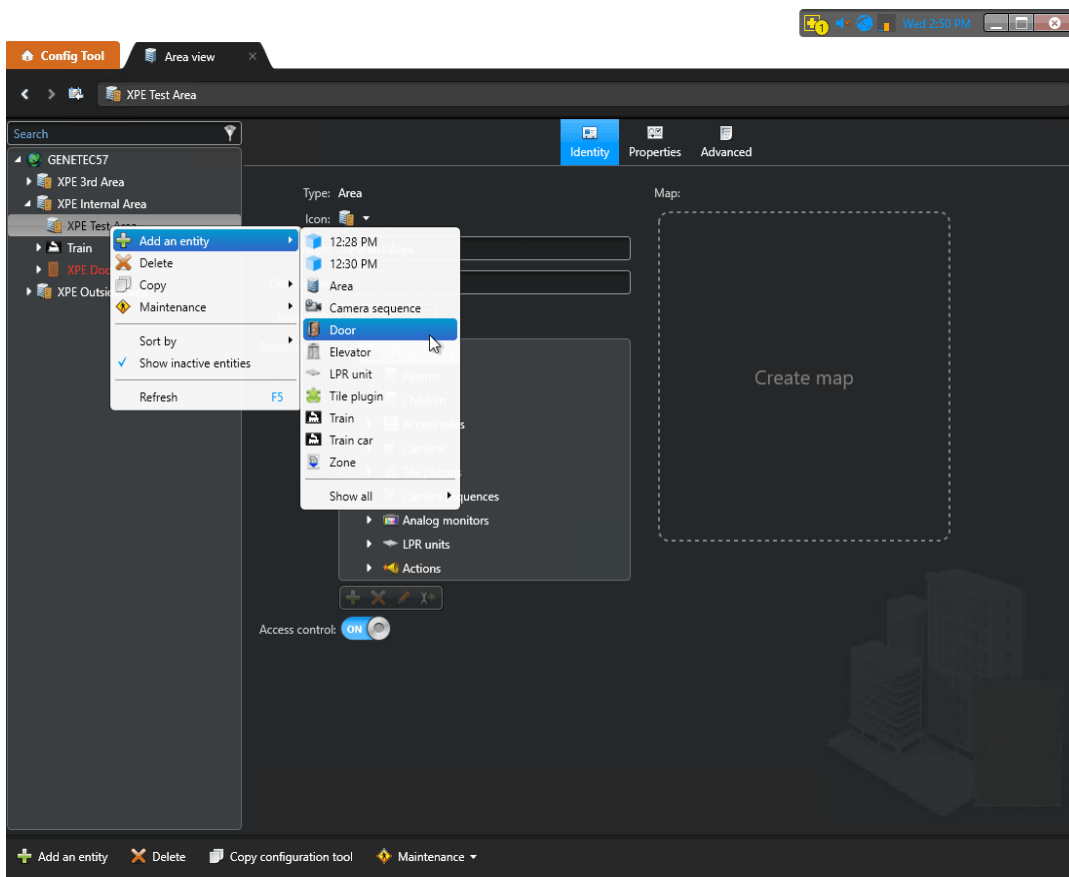
A Genetec door should be created for every physical XPressEntry handheld reader. Each door must have at least one to two readers. The door created will have to match an interface name created under the Synergis™ RIO hardware.

Create Door

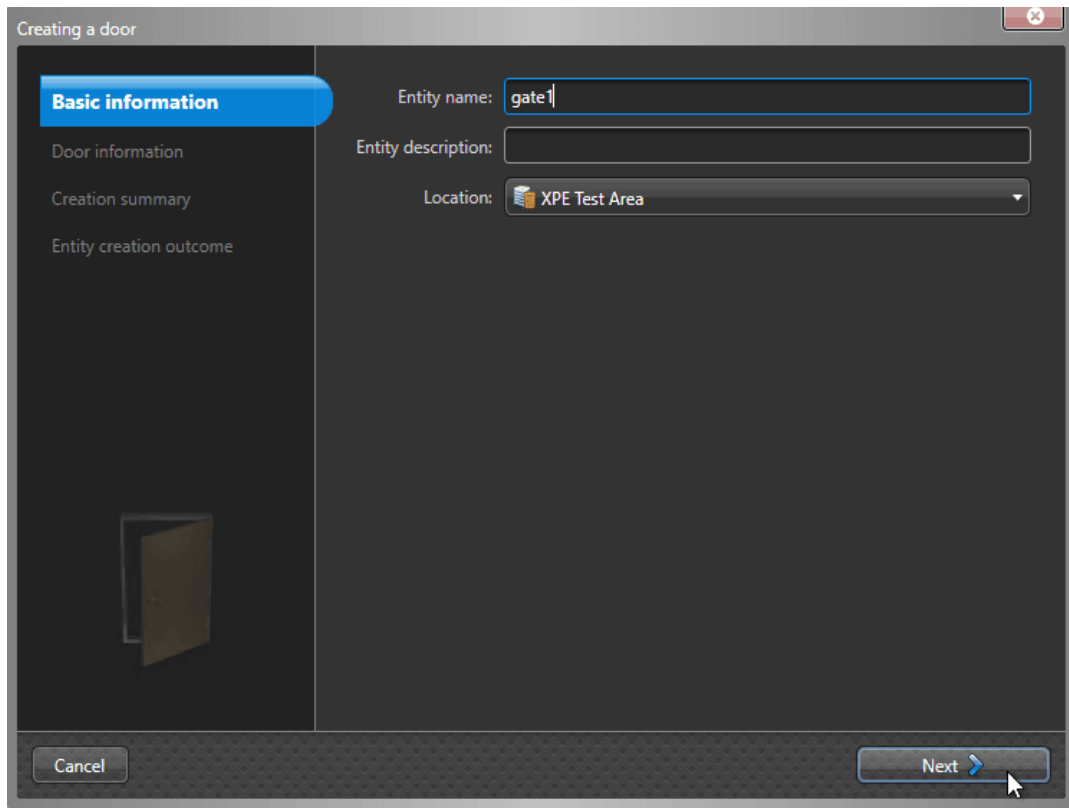
1. Go to **Config Tool > Area View**.



2. Right click the entity under which you would like to add the door. Typically, this is done under an **Area**.



The **door entity name** must be *exactly* what the **interface address** was created as in the previous step. We used **gate1** as the Address name in the RIO Channel, so we will call our door **gate1**.



3. Set the **Access Control Unit** to the Synergis™ Cloud Link appliance that was used to setup the RIO Protocol.
4. Set the **Interface module** created in the RIO Protocol that we are using. Click **Next** > **Create** > **Close**.

Creating a door

Basic information

Door information

Creation summary

Entity creation outcome

Alpha door side: In

Omega door side: Out

Access control unit: Synergis appliance

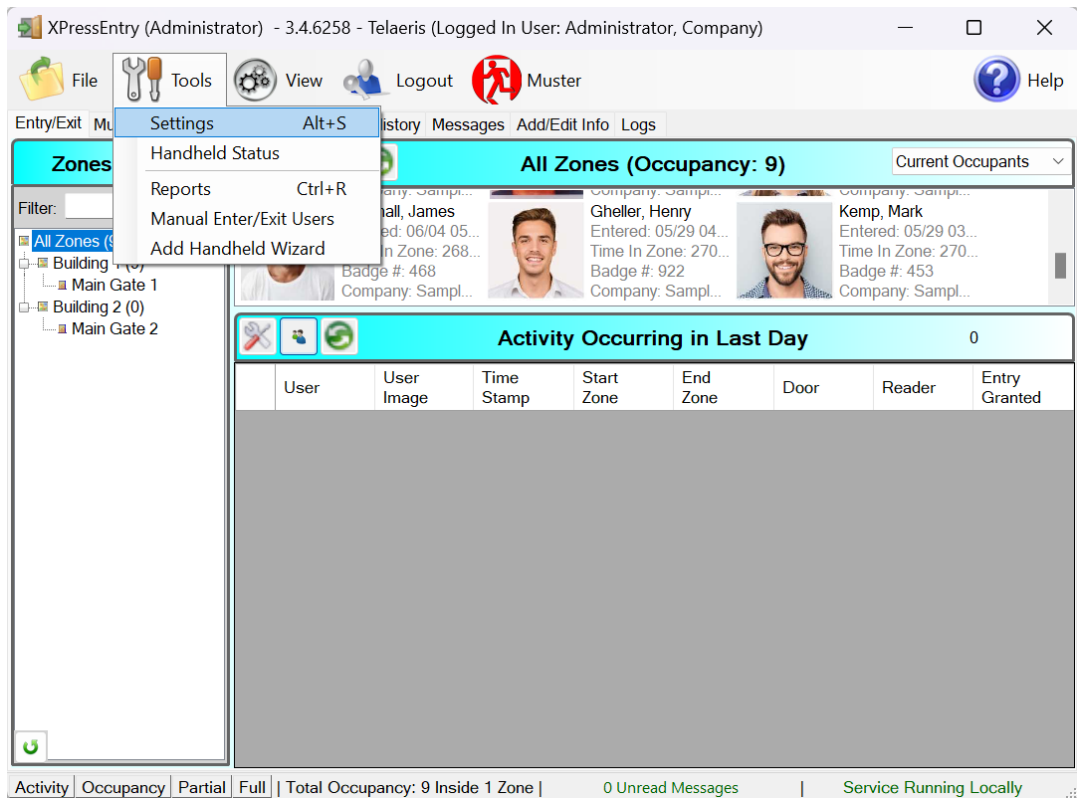
Interface module: Telaeris - XPressEntry Server (xpressentry - gate1)

Cancel Back Next

Enable XPressEntry Synchronization

XPressEntry uses a module called **Data Manager** to synchronize Genetec data into XPressEntry. From the main

page of XPressEntry, go to **XPressEntry / Settings (ALT+S)**.

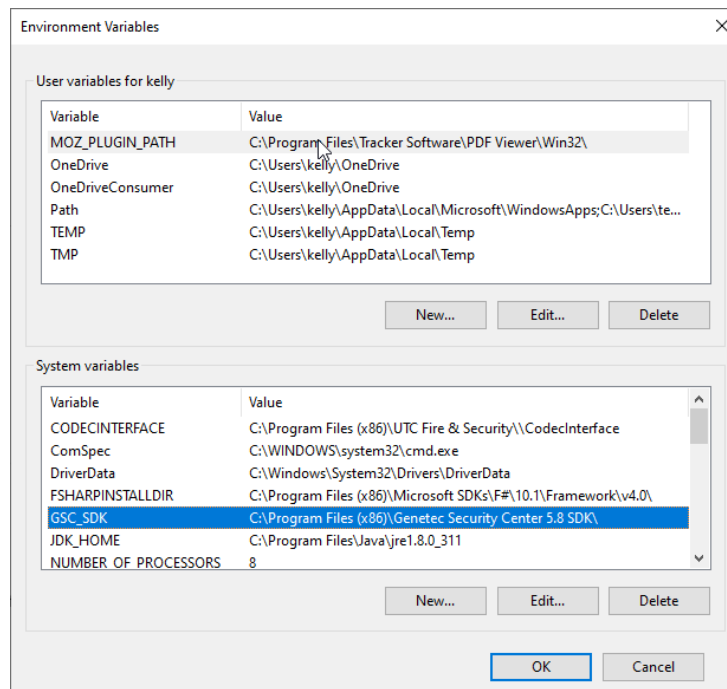


Choosing the Genetec SDK to Run

XPressEntry requires the Genetec SDK to be installed on the same machine as XPressEntry. XPressEntry can support the Genetec SDK 5.8 and newer. The version of Genetec SDK must be **within two versions** of the version of Genetec Security Center that is installed. For example, Genetec SDK version 5.8 could be used for Genetec Security Center versions 5.8 or 5.9.

Environmental Variables

XPressEntry determines where to find the Genetec SDK through an environmental variable. Make sure the path of this variable points to the appropriate Genetec SDK folder as shown below.



Binding Redirect Based on SDK Version

You may need to change the SDK version that XPressEntry targets. You will be editing **XPressEntryService.exe.config** and **XPressEntryServer.exe.config**.

1. Navigate to the XPressEntry installation folder. Open XPressEntryService.exe.config as an administrator. (C:\Program Files (x86)\Telaeris\XPressEntry\XPressEntryService.exe.config) At the very bottom, you will find a section that looks as follows:

```
<dependentAssembly>
<assemblyIdentity name="Genetec.sdk" publicKeyToken="a446968a32b751de"
culture="neutral" />
<bindingRedirect oldVersion="0.0.0.0-5.8.0.0" newVersion="5.8.0.0" />
</dependentAssembly>
```

2. If you are using 5.9, Change the **NewVersion** to 5.9.0.0 and so forth depending on version of the SDK you are running. Save the file.
3. Do the same in the XPressEntryServer.exe.config file. The location of the Genetec.sdk binary redirect may differ.

Data Manager Tab

From the Settings page select the **Data Manager Tab**.

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

The screenshot shows the 'XPressEntry Settings' application window. The left sidebar contains a tree view with categories like General, Server, Data Manager, Reader Profiles, and Alert Settings. The 'Data Manager' category is expanded, showing 'DISABLED - Genetec' and 'Software Event Viewer'. The main area displays the configuration for 'Genetec'. At the top, there is a 'Type' dropdown menu set to 'GENETEC', with 'Add' and 'Remove' buttons. Below this are input fields for 'Name' and 'Prefix'. A large text area below shows 'Genetec - Prefix(GENETEC)'. At the bottom right, there is a 'Sanity Check Data' button and 'Save' and 'Cancel' buttons.

Sync Timers

XPressEntry can use Timers to pull Genetec Data into XPressEntry.

The screenshot shows the 'XPressEntry Settings' window with the 'Sync Timers' tab selected. The 'Enable Data Manager Type: GENETEC' checkbox is unchecked. The 'Sync Timers' section contains a 'Disable Concurrent Syncs' checkbox (unchecked) and a 'Send XPressEntry Activities Now' button. Below this are five rows of frequency settings, each with a text input field, 'Set' and 'Clear' buttons, and a 'Sync Now' button: 'Download Activity Frequency', 'Occupancy Sync Frequency', 'Partial Sync Update Frequency', 'Full Sync Update Frequency', and 'Custom Sync Update Frequency'. At the bottom, there is a 'Data Manager Live Log View' section with 'Pause' and 'Mirror Log To:' fields, and a 'Browse' button. 'Save' and 'Cancel' buttons are at the very bottom.

1. **Download Activity Frequency** – Not used by Genet
2. **Occupancy Sync Frequency** – Updates the zone occupancy without storing the activity records.
3. **Partial Sync Frequency** – Updates all tables except **cardholders** and **cards**.
4. **Full Sync Update Frequency** – Updates all tables by pulling all necessary records from Genetec. This function may take some time.
 1. It is recommended to run a full sync **once per day** in the middle of the night when the system is not busy.
2. **Custom Sync Frequency** – Updates a set of tables that the user configures.

The screenshot shows the 'XPressEntry Settings' window with the 'Sync Options' tab selected. The 'Enable Data Manager Type: GENETEC' checkbox is checked. The 'Sync Options' section includes: 'Pull Data Manager Occupancy' (unchecked), 'Default Outside Zone' (dropdown), 'Event Processing Retry Count' (3), 'Default Role' (dropdown), 'Pull Data Manager Activities into XPressEntry' (checked), 'Push XPressEntry Activities to Data Manager' (checked), 'Send Activities Retry Count' (3), 'DMPrefix' (dropdown), 'Watch Tables via Software Events' (unchecked), 'Enable Message Queue' (unchecked), 'Message Queue Name' (Private\$DataManagerEvent), 'Muster Scanned Users' (never), and 'Event Processing Loop Limit' (10). There are 'Clear Data Manager Settings' and 'Clear External Data' buttons. At the bottom, there is a 'Data Manager Live Log View' section with 'Pause' and 'Mirror Log To:' fields, and a 'Browse' button. 'Save' and 'Cancel' buttons are at the very bottom.

Sync Options

1. **Pull Data Manager Occupancy** – Enables use of the Occupancy Sync.
2. **Default Outside Zone**

3. **Pull Data Manager Activities into XPressEntry** – Enables use of the Activity Sync.
4. **Push XPressEntry Activities to Data Manager** – Enables XPressEntry to push Scan data to Genetec.
5. **Send Activities Retry Count** – Number of times XPressEntry will attempt to resend an activity if it fails.
6. **Watch Tables via Software Events** – Creates a live data connection to the Access Control System to watch for system changes.
7. **Message Queue Name** – Name of windows message queue for software events.
8. **Event Processing Loop limit** – Max records to process from the event queue.
9. **Event Processing Retry Count** – Number of times XPressEntry will attempt to process a message queue event on failure.
10. **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.
11. **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.
12. **Setup DataManager Button** – Opens Genetec specific settings.
13. **Clear DataManager Settings** – Resets all settings on the two above tabs, as well as the Genetec specific settings.
14. **Clear External Data** – Deletes all data synchronized from Genetec from the XPressEntry Database.

Genetec Data Manager Setup Page

Genetec Data Manager

General Custom

Genetec Security Center Login

Server: genetec510

User: admin

Password:

Synergis RIO Login

RIO Server: genetec510CloudLink

RIO User: admin

RIO Password:

☒ Enable RIO

☒ Accept Untrusted Certificate
(Setting Untrusted Cert to False requires a service restart)

Occupancy Settings

☒ Update Cardholder Occupancy

Download Activity # Hours 4

Data Settings

☒ Download Related Data ☐ Use Raw Badge Data from Genetec

☒ Cardholder Software Events

☒ Credential Software Events

☒ Access Rule Software Events

RIO Door Settings

☐ Always Show Selected Doors Online

☐ Door 1 Test

☒ Door 2

☒ Door 3

☒ Door 4

☒ Door 5

☐ Front Entrance

☒ Main Gate

RIO Reader Timeout (mins) 1 Update RIO

Custom Card Formatting

☐ Custom Card Format

Card # Start Bit 0 Card # Bit Length 0

FC Start Bit 0 FC Bit Length 0

Source Columns Destination Columns

Source Field	XPressEntry Field
UDF1	udf1 (UDF2)
EmailAddress	email (UDF1)

Test Connect Defaults OK

Status

Press the **Setup Data Manager** button to get the Genetec specific setup screen.

1. **Genetec Security Center Login** – Input the Genetec Security Center Application Server and login details here.
2. **Synergis RIO Login** – Input the Synergis Appliance and Synergis RIO login here.
3. **Occupancy Settings** – Tracks occupancy and activities from Genetec. Used for occupancy counts and mustering scenarios.
 - a. Update Cardholder Occupancy – Enables occupancy syncing.
 - b. Download Activities # Hours – When syncing, pull only activities from the input X # of hours.
4. **Data Settings** – Select the type of data to be transferred from Genetec. Software events are generated when changes are made to data from Genetec Security Desk or Config Tool.
 - a. Download Related Data
 - b. Cardholder Software Events – Pull Cardholder software events, including cardholder activity.
 - c. Credential Software Events
 - d. Access Rule Software Events
5. **RIO Door Status** – A RIO door reader status can be enabled to register as **online** for XPressEntry readers if the RIO based readers use a prefix door filter. A RIO door will only be marked **online** if a handheld is connected to the XPressEntry server, and Entry/Exit mode is currently utilizing the door. **This is optional.**
 - a. XPE Login and XPE Password is a login for an XPressEntry admin. We require this to pull reader data from the local database for mapping purposes.
 - b. The Door filter prefix matches the prefix used to create Genetec RIO based doors.
6. **Custom Card Formatting** – Use if utilizing custom card formats in Genetec.
 - a. Custom Card Format – Enables the use of custom card formats.
 - b. Card # Start Bit – Set the start bit for card.
 - c. Card # Bit Length – Set the bit length for card.
 - d. FC (Facility Code) Start Bit – Set the start bit for FC.
 - e. FC (Facility Code) # Bit Length – Set the bit length for FC.
7. **Genetec Custom Fields** – Associate Cardholder custom fields with an XPressEntry data field. Optional Data fields in XPressEntry include employee_no, user_field_data_1 to user_field_data_10. Reach out to helpdesk@telaeris.com for assistance on any other custom data fields.
8. **Test Connect** – Test the connection status with the inputted credentials to Genetec Security Center.
9. **Defaults** – Reset all data on the Settings form.
10. **OK** – OK to confirm settings.

11. **Custom Events** – Cardholder, credential, and area activities can be connected to a Genetec Custom event. The name of the custom event in Genetec must be inputted to the associated custom event action.

The screenshot shows the 'Genetec Data Manager' window with the 'Custom' tab selected. The 'General' tab is also visible. The 'Custom' tab contains a list of custom events with corresponding input fields:

Custom Events	
Custom Cardholder Granted	<input type="text"/>
Custom Cardholder Denied	<input type="text"/>
Custom Credential Granted	<input type="text"/>
Custom Credential Denied	<input type="text"/>
Custom Area Event	<input type="text"/>

At the bottom right of the window, there are three buttons: 'Test Connect', 'Defaults', and 'OK'. Below the main content area, there is a 'Status' label.

Setup XPressEntry Data

After setting up the data manager, run the initial Full Sync to pull data from Genetec. Once the Genetec System is set up and synchronizing, you will see all this data represented in XPressEntry under the Add/Edit Info tab. Data which is imported from Genetec cannot be changed and is greyed out in XPressEntry without proper permissions.

Users

Here is a sample of a properly synchronized user:

XPressEntry - 2.9.4896 - Genetec (Logged In User: Administrator, Company)

File Tools View Logout Entry/Exit Help

Entry/Exit Activity History Messages Add/Edit Info Server Activity

External Record:bbc02d29-ff5a-4fdb-bb7d-2a31bae5f381

Filter: [] [] [] []

Administrator, Company
Boisvert, Mike
Card, Cassi
Carta, Christine
Carter, Aaron
Cooper, Bradley
Derulo, Jason
Diesel, Vin
Flores, Jose
Jacobsma, Alex
Jacobsma, Emily
Jonas, Joe
Jonas, Nick
Klienheims, Donald
Lawrence, Jennifer
Miller, Mark
Moore, Mandy
Pitt, Brad
Sao, Heejin
Smith, Betty
Smith, Billies
Smith, James
Smithereens, Bob
Smithers, Bob
Smith, Bob
Spears, Britney
Timberlake, Justin
User2, Test2
user3, test3
Visitor, Test
Willicks, Sam
Wills, Tom
Winston, James

Time to Read 33 Records: 0.05 seconds

Activity Partial Full | Total Occupancy: 0 Inside 0 Zones | 0 Unread Messages | Service Running Locally

Users Companies Groups Zones Doors Readers RFID Roles Timezones Holidays Certificates Badge Layouts

User Permissions Contact Info Misc

First Name Last Name MI Photo FP (0)

Betty Smith

Company

Emp ID

Zone

Zone Entry: N/A

Zone Updated: N/A

Role Entrant

Start Date End Date

Change Crop Delete

Badges (3) Add Badge Delete Badge View History Print Badge

Badge	Activated Date	Expired Date	Invalid	Badge Type
779				
1192				
11936				

Add New Delete Save Cancel

By default, all external data (data that has been synced from Genetec) will show **External Record** and an external record number. The external record and record number can be hidden.

If you wish to hide this, go to **Tools > Settings > General tab > Add/Edit Display**, and check or uncheck **Show External Flag** and **Show External ID**. Show external flag will supersede the show external ID.

XPressEntry Settings

File Database SQL Import/Export

General

Badges

User Defined Fields

Muster Settings

Question Setup

Logging

Client Settings

Wiegand Format Data

Server

Service Settings

Database

Data Manager

GENETEC

Software Event Viewer

Reader Profiles

Handheld Functionality

Reader Validations

Passwords

Badge Settings

Custom Display

Validation Colors

Doors

Trend Settings

Alert Settings

Email Settings

Twilio Alerts

Copy Resx File

General

☐ Show Badge Types Form

☐ Show Visitor Pre-Registration Form

☐ Show RFID Form

☐ Show Badge Layouts Form

☒ Show Timezones Form

☒ Show Muster Sites Form

☐ Show Holidays Form

☐ Show Deleted Records in Add / Edit List

100 Pagination Size (Zero to Show All)

External Data

☒ Show External Flag in Add / Edit List

☒ Show External ID in Add / Edit List

☒ Allow Editing of External Data

Readers

☐ Allow Reader GUID Switching

☐ Show Reader Merging

☐ Show Reader Timezones

Badges

☐ Show External ID in Badge Grid

☐ Show PIN in Badge Grid

☐ Show Facility Code Column in Badges

☐ Show Badge Defined Field 1 in Add/Edit

☐ Show Badge Defined Field 2 in Add/Edit

☐ Show Badge Defined Field 3 in Add/Edit

Users

☐ Enable User Watch Lists

☒ Enforce Employee Badge # Uniqueness

☒ Enforce Strict Password

GPS

☐ Show GPS Coordinates in Doors

☐ Show GPS Column's in Activity History

Save Cancel

User Permissions

Users in XPressEntry have the same access rules in Genetec to each individual reader.

XPressEntry (Administrator) - 3.0.999 - Telaeris (Logged In User: Administrator, Company)

File Tools View Logout Entry/Exit Muster Help

Entry/Exit Muster Activity History Messages Add/Edit Info Logs

External Record: deea5459-ce51-471d-9771-eb4e4f195e30

Filter: [] [] []

Administrator, Company
Doe, John
Francis, Jane
Gilmore, Chase
Gold, James
Harper, May
Jenkins, Sara
Jones, Ralph
Lee, Eric
Lee, Harrison
Levinson, Bill
Lim, Kelly
Mills, Tara
Parker, John
Romero, Alberto
Ruiz, Mari
Sampson, Alicia
Smith, Susana
User1, Tset
Webb, Mark
White, Anthony

Time to Read 22 Records: 0.46 seconds

Users Companies Groups Zones Doors Readers Roles Time

User Permissions Contact Info UDFs/Misc

Access Groups [X]

Lockdown rule
All open rule

Direct Zone Permissions [X]

Zone Name

Allowed Times [X]

Timezone Name Start EndTime Mon Tue

Add User to Group

Allow User to Zone

Allow User to Timezone

Add New Delete Save Cancel

Activity Occupancy Partial Full | Total Occupancy: 1 Inside 1 Zone | 0 Unread Messages | Service Running Locally

Creating RIO Readers and Mapping it to Doors

The screenshot shows the 'Genetec Data Manager' window with the 'Custom' tab selected. The 'RIO Door Settings' section is expanded, showing a list of doors: Door 1 Test, Door 2, Door 3, Door 4, Door 5, Front Entrance, and Main Gate. The 'Main Gate' door is selected. Below this, the 'RIO Reader Timeout (mins)' is set to 1, and the 'Update RIO' button is visible. The 'Custom Card Formatting' section is also expanded, showing 'Card # Start Bit' and 'Card # Bit Length' both set to 0, and 'FC Start Bit' and 'FC Bit Length' both set to 0. The 'Source Columns' and 'Destination Columns' sections are visible, with a table mapping 'UDF1' to 'udf1 (UDF2)' and 'EmailAddress' to 'email (UDF1)'. The 'Test Connect', 'Defaults', and 'OK' buttons are at the bottom right.

Genetec Data Manager

General Custom

Genetec Security Center Login

Server: genetec510

User: admin

Password:

Synergis RIO Login

RIO Server: genetec510CloudLink

RIO User: admin

RIO Password:

☒ Enable RIO

☒ Accept Untrusted Certificate
(Setting Untrusted Cert to False requires a service restart)

Occupancy Settings

☒ Update Cardholder Occupancy

Download Activity # Hours 4

Data Settings

☒ Download Related Data ☐ Use Raw Badge Data from Genetec

☒ Cardholder Software Events

☒ Credential Software Events

☒ Access Rule Software Events

RIO Door Settings

☐ Always Show Selected Doors Online

☐ Door 1 Test

☒ Door 2

☒ Door 3

☒ Door 4

☐ Door 5

☐ Front Entrance

☒ Main Gate

RIO Reader Timeout (mins) 1 Update RIO

Custom Card Formatting

☐ Custom Card Format

Card # Start Bit 0 Card # Bit Length 0

FC Start Bit 0 FC Bit Length 0

Source Columns Destination Columns

Source Field	XPressEntry Field
UDF1	udf1 (UDF2)
EmailAddress	email (UDF1)

Test Connect Defaults OK

Status

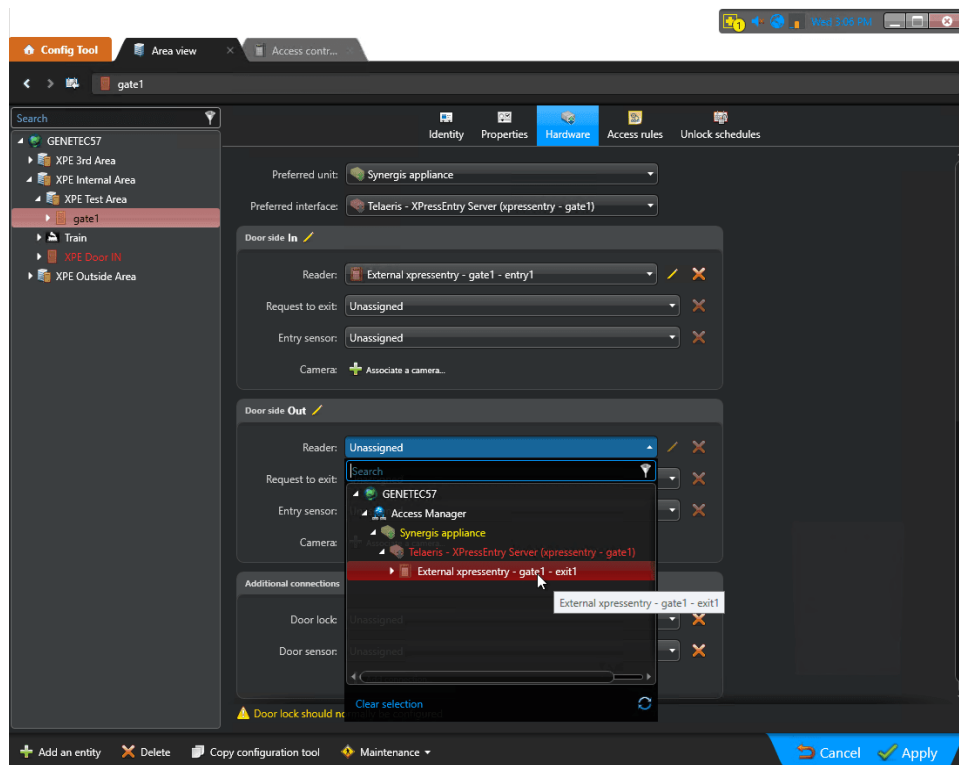
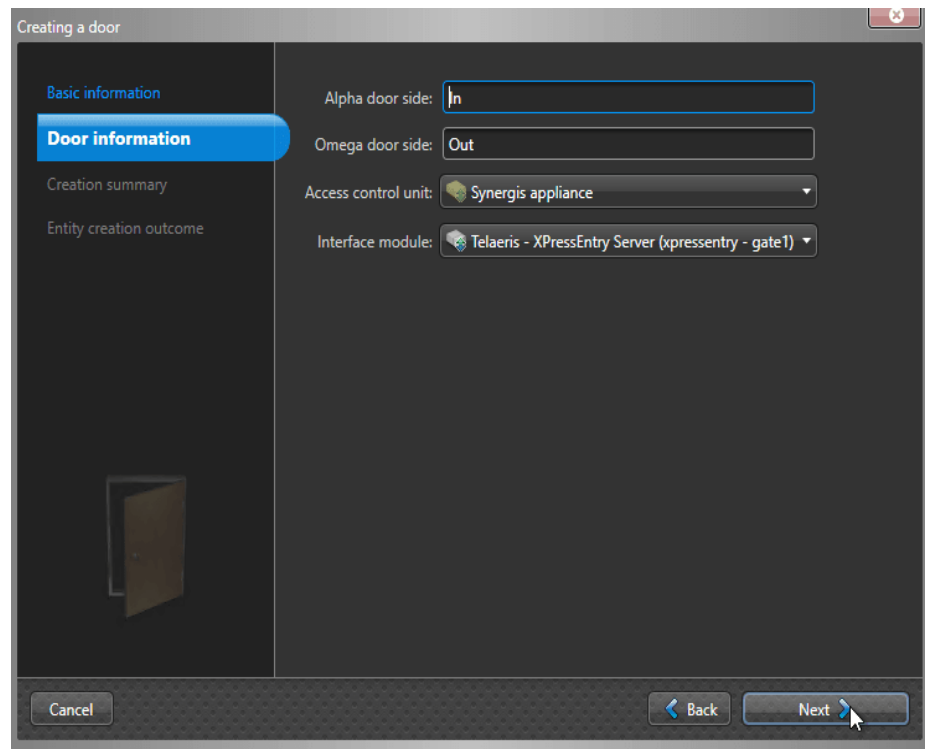
The Doors list will now populate under **RIO Door Settings** following the doors creation in Genetec and synchronization into XPressEntry via a full or partial sync.

1. We need to create the RIO objects on the Genetec side for each door/handheld mapping that we wish to use.
2. Handheld 1 Door and Handheld 2 Door are going to be used. Check the checkboxes for the two doors.
3. Click on **Update RIO** and accept the confirmation to create the RIO readers in Genetec based on the door we want to use.

Add Readers to Door

In most situations, you should add **two** readers (an **entry** and an **exit**) for each door. There should be at least one XPressEntry handheld for each door you are tracking.

1. Assign the **Door Side** reader with the **ReaderLabels** created from the RIO Protocol. The **Alpha** side is the Entry Reader, while the **Omega** side is the Exit Reader. Click Apply when done.



2. Do not forget to add the door or parent entity to an access group.
3. **Always show selected door online** – If this is checked, all readers assigned and checked below in the list will always show as online in Genetec regardless of if the door is assigned to a handheld that is online.
 - a. If this is unchecked, the door will only show online in Genetec IF the handheld is online in XPressEntry.

Doors

Entry/Exit permissions in XPressEntry are set by doors. Doors contain up to two readers – an entry and an exit reader. Door access is determined by the user's access to the door's external entry or exit reader. Doors should be set by the user for each Handheld Reader in XPressEntry. Allowing editing of external data will be required. Navigate to **Tools > Settings > General tab > Add/Edit Display** and check "**Allow Editing of External Data.**" Click save.

1. The XPressEntry Integration with Genetec requires both a start and end zone assigned. If no zone is assigned, handheld activity will not populate to Genetec.
2. For most situations, each door's zones should be set to the default: **outside** and **building**. For proper occupancy tracking, set the **start** and **end** zone from area's populated within **Genetec**.
 - a. The start zone is the area the user would be entering from, and the end zone is where the end user will end up. **Entry** reader will tie in the **alpha** side door reader in Genetec, which should be associated with the **end zone** area in XPressEntry.

XPressEntry - 2.7.4475 - Telaeris Inc. (Logged In User: Administrator, Company)

File Tools View Logout Entry/Exit Muster Help

Entry/Exit Muster Activity History Messages Add/Edit Info Server Activity

External Record: cf774de6-dcd0-49a2-ab3b-2ed41c0579ce

Filter: [] [] [] []

Users Companies Groups Zones Rooms Doors Readers RFID Roles Timezones Holidays Certificates Badge

gate1
gate2
gate3
Test Door
XPE Door IN

Door Name
gate1

Start Zone
XPE Outside Area

End Zone
XPE Internal Area

Door RFID Tag #

External Entry Reader
gate1 : In

External Exit Reader
gate1 : Out

Add New Delete Save Cancel

Time to Read 5 Records: 0.01 seconds

Activity Partial Full | Total Occupancy: 0 Inside 0 Zones | 0 Unread Messages | Service Running Locally

3. **Zones** – For each door, set the **start** zone to **Outside** and the **end** zone to **Building**. This helps to determine directionality. If occupancy tracking is enabled, set the start and end zones to the desired zone
4. **External Readers** - Attach the logical entry and exit readers that you created in Genetec to a door. The readers are named based on the door. Entry reader **alpha** side is named **gate1: In** where the omega side is named **gate1: Out**.

Readers

A handheld unit can logically represent any Synergis RIO door/reader combination created in Genetec. When the handheld is issued to an employee at a specific door, the employee must first set the door on the handheld. The XPressEntry Reader that the handheld represents is based on whether the handheld is in entry mode or exit mode.

For example, handheld A is stationed at door A. Door A has two readers associated with it: Reader A-Entry and Reader A-Exit created from Genetec. The employee holding the handheld sets the handheld's door to Reader A. When the employee sees a cardholder walking towards the building, they set 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 with access granted or access denied.

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.

They set 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 Genetec if that option has been set in the Data Manager. This allows XPressEntry to track cardholder locations for use with Mustering and location tracking.

The screenshot displays the XPressEntry (Administrator) interface. The title bar indicates the user is logged in as Administrator, Company. The interface features a menu bar with options: File, Tools, View, Logout, and Entry/Exit. Below the menu bar is a toolbar with icons for Entry/Exit, Muster, Activity History, Messages, Add/Edit Info, and Logs. The main display area is divided into three sections:

- Mustering Site : Building 1**: This section is further divided into two panels. The left panel, titled **Scanned (0)**, is currently empty. The right panel, titled **Missing (3)**, displays three missing individuals with their photos and details:
 - Gold, James**: Badge: 726, Zone: Building 1 Inside Area, 07/13 03:13:25 PM
 - Mills, Tara**: Badge: 60, Zone: Building 1 Inside Area, 07/13 03:13:20 PM
 - Harper, May**: Badge: 728, Zone: Building 1 Inside Area, 07/13 03:13:13 PM
- Muster Activity in Last 5 Minutes**: This section displays a table with columns for User, Badge #, Time Stamp, and Reader. The table is currently empty.

The bottom status bar shows the following information: Activity | Occupancy | Partial | Full | Total Occupancy: 1 Inside 1 Zone | 0 Unread Messages | Service Running Locally.

Entry/Exit activities will be sent to Genetec and can be monitored in Genetec Security Desk. After a handheld device is grants or denies access, this data is then synced to the XPressEntry Server. The XPressEntry server will then send the data to Genetec Monitoring in Security Desk.

XPressEntry (Administrator) - 3.0.999 - Telaeris (Logged In User: Administrator, Company)

File

Tools

View

Logout

Muster

Help

Entry/Exit

Muster

Activity History

Messages

Add/Edit Info

Logs

Zones / Doors

Filter:

All Zones (2)

Building (1)

Test Door

Building 1 Inside Area (1)

Main Gate

Front Entrance

All Zones (Occupancy: 2)

Current Occupants

Gold, James

Entered: 07/13 03:30:13 PM

Time In Zone: 00:01:25

Badge #: 726

Zone: Building 1 Inside Area

Activity Occurring in Last Day

0

	User	User Image	Time Stamp	Start Zone	End Zone	Door	Reader	Entry Granted
▶	Harper, M...	<div></div>	07/13 03:...	Building 1...	Outside		Server Re...	True
	Mills, Tara	<div></div>	07/13 03:...	Building 1...	Outside		Server Re...	True
	Gold, Jam...	<div></div>	07/13 03:...	Building 1...	Building 1...	Front Entr...	Handheld 5	True
	Gold, Jam...	<div></div>	07/13 03:...	Building 1...	Building 1...	Front Entr...	Server Re...	True

Activity

Occupancy

Partial

Full

|

Total Occupancy: 2 Inside 2 Zones

|

0 Unread Messages

|

Service Running Locally

Security Desk

Credential...

Monitoring

Cardholder...

Search

GENETEC510

- Building 1 Inside Area
 - Door 1 Test
 - Door 3
 - Door 4
 - Door 5
 - Front Entrance
 - Main Gate
- Building 1 Internal Muster
- Building 1 Outside Area
- Building 2 Inside Area
- Building 2 Internal Muster
- Building 2 Outside Area

1 Front Entrance7/13/2023 3:30:13 PM

Access grantedJames Gold

James Gold

2

3

4

Door

- Closed
- Locked

Tile

- Grid
- Image
- Map
- Camera

Hide area view

Monitoring (1)

Synchronize video

Show original streams

Change tile pattern

Clear all

Open the Vault

Switch to map mode

Hide controls