



American Dynamics

4.8 victor/Simplex 4100U Integration Guide

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Introduction

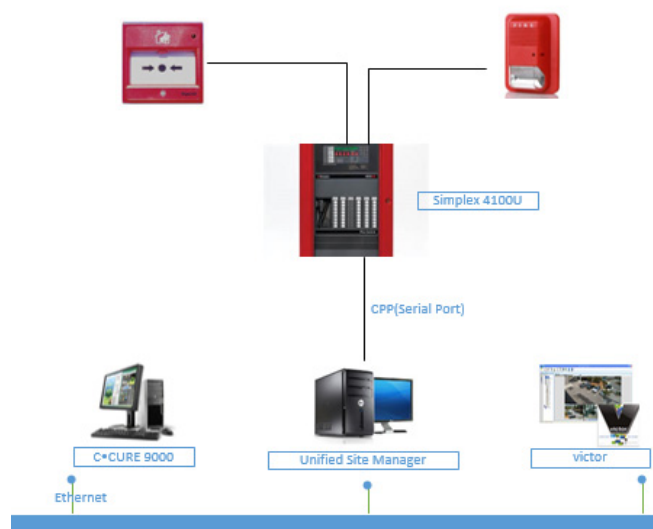
Simplex Overview

The victor 4.8/Simplex Fire Alarm Interface provides advanced, seamless integration with the 4100U Fire Detection and Alarm Panel from SimplexGrinnell, allowing customers to monitor their important fire devices from victor Unified Client.

The SimplexGrinnell 4100U Fire Panel is a high-end, next generation distributed network system that combines superior fire protection and information management with lower costs of installation, maintenance, and ownership.

Architecture

The objective of the Simplex 4100U Fire Alarm Interface is to provide a standard interface between the Simplex 4100U product family control equipment and victor Unified Client via a RS-232 serial port. This interface provides automatic synchronization between the Simplex 4100U database and the victor Unified Client database. The interface listens to Simplex 4100U unsolicited messages (Fire, Trouble, Supervision, Priority 2) and communicates them to victor Unified. victor will then process these messages and according to their configuration will direct them to users as object state changes, activities, events, and alarms.



Features

The objective of the victor/Simplex integration is to provide a standard, single interface between Simplex 4100U hardware and American Dynamic's victor Unified Video Management product.

Supported features include:

- Supports data acquisition
- New Panel function
- Delete Panel function
- Viewing status and information of configured Simplex hardware
- Integration with victor roles
- Integration with victor Object Association
- Integration with victor Journal
- Client side event Management

Installation

The Simplex 4100U install must be run on both **victor Site Manager** and all **victor Unified Client** machines. Prior to running the Simplex 4100U installer, the correct version of victor must be installed.

Before You Begin

You should perform the following pre-installation procedures:

- You must have appropriate Windows permissions.
- You must have membership in the local Administrators group or equivalent privileges.
- Ensure the network you are installing on is working properly.

Procedure 3-1 Adding Simplex 4100U Integration to victor

Step	Action
1	Close any currently running programs.
2	Acquire the Simplex 4100U Integration Installation Program from victor 4.8 DVD or download from the American Dynamics website.
3	Navigate to the installer folder.
4	Right-click on Simplex_4100U_Integration.exe and then click Run as Administrator .

Note

The installation program determines if the correct version of victor is installed on your system. If the correct version is not available, a message is displayed stating that a supported version of victor is needed.

- | | |
|---|--|
| 5 | The Welcome to Simplex 4100U Installation window displays. Click Next . |
| 6 | Select I accept the terms in the license agreement , and then click Next . |
| 7 | Click Next .
The Database Server window displays. |
| 8 | If you have more than one database on your machine, select the required database from the drop down list. |
| 9 | Select the Windows authentication credentials of current user button to connect using your current login credentials. |

Or
Select the **Server authentication using the Login ID and password below** button, then enter a **Login ID** and **Password** to connect using different login credentials.

- 10 Click **Next**.
The Ready to Install window displays
- 11 Click **Install** to begin installation.
- 12 Click **Finish**.

After installation, new tabs called **Fire Panels** and **Fire Points** are available on the **Setup** tab in victor unified client.

- End -

Minimum Requirements

Hardware

The Simplex 4100U Integration has the same hardware requirements as the victor Unified Client and victor Site Manager. Therefore, if the machine can successfully run victor then it will satisfy the Simplex 4100U Integration requirements. This integration requires approximately 50MB of available hard disk space.

Software

- victor Site Manager: v4.8+
- victor Unified Client: v4.8+

Operating Systems

32-bit operating systems:

- Windows 8
- Windows 7 Enterprise

64-bit operating systems:

- Windows Server 2012 R2
- Windows Server 2008 R2
- Windows 7 Enterprise
- Windows 8

Introduction

Detailed Hardware Information

Detailed hardware information is available for all configured Simplex 4100U hardware.

Accessing detailed hardware information

Step	Action
	<ul style="list-style-type: none">• Right-click an object in Object List view and click Edit.
- End -	

Roles

Simplex 4100U hardware privileges are associated with victor roles, therefore all context menu verbs associated with Simplex 4100U objects are added to existing victor roles which can be edited accordingly. For more information on Roles, refer to the victor unified client Configuration and User Guide.

Associations

Simplex 4100U hardware supports victor’s Object Associated. Object Association refers to linking unrelated victor objects with the intend of enabling incident building capacity. For more information on Object Associations, refer to the victor unified client Configuration and User Guide.

Reports

Simplex 4100U objects are included in the report selection tool and support the victor **Find in Journal** feature. For more information on Reports and the Find in Journal feature, refer to the victor unified client Configuration and User Guide.

Events

Simplex 4100U hardware supports victor Events, allowing you to detect, monitor and record specific activities on the system. For further information on Events, refer to the victor unified client Configuration and User Guide.

Simplex 4100U Panels

From the **Setup** tab, users can navigate to all configured Simplex 4100U Panels, or view configured Simplex 4100U Panels that are in Online or Offline states.

Creating a Simplex Panel

Procedure 4-1 Create a Simplex 4100U Panel

Step	Action
1	From the Setup tab, select Fire Panels .
2	Click New Simplex Panel . The New Simplex Fire Panel editor will appear.
	Note The new Simplex Panel will be set to “Enabled” by default.
3	Enter a Name in the textbox.
	Note The Name field cannot be empty and cannot have a duplicate name with another Panel. The maximum length for the Name is 100 characters.
4	Enter a Description in the textbox.
	Note Maximum length for Description is 500 characters.
5	Enter a Job Number in the textbox.
	Note The Job Number field cannot be empty. The maximum length for this field is 8 characters.
6	If necessary, modify other information within the Communication Information heading.
7	Expand the Associations heading.
8	Add or remove Associations.

- 9 Click **Save and Close**.
or
Click **Close Without Save**.
The Simplex 4100U Panel will then appear on the Device List within the Fire Panels folder.

- End -

Editing a Simplex 4100U Panel

Procedure 4-2 Edit a Simplex 4100U Panel

Step	Action
1	From the Setup tab, select Fire Panels .
2	Click Show All .
3	Right-click the required Simplex 4100U Panel, and then click Edit .
4	Make edits as required.
Note <ul style="list-style-type: none"> The information in the "General" section can only be edited when the object has been disabled. The information in the "Basic" section is read-only. The "Associations" section includes all associated objects. The "Status" section includes the object's communication status. 	
5	Click Save and Close .
<hr/> <p style="text-align: center;">- End -</p> <hr/>	

Deleting a Simplex 4100U Panel

Procedure 4-3 Deleting a Simplex 4100U Panel

Step	Action
1	From the Setup tab, select Fire Panels .
2	Click Show All .
3	Right-click the required Simplex 4100U Panel, and click Delete .
Note <p>The remove a Simplex 4100U Panel it must be Disabled. If the Panel is Enabled an error message will appear.</p>	

- 4 Click **Yes**.
- 5 A dialog box appears confirming the permanent removal of this Object from victor. Click **Yes**.

- End -

Viewing All Simplex 4100U Panels

Procedure 4-4 View All Simplex 4100U Panels

Step	Action
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- 1 From the **Setup** tab, select **Fire Panels**.
- 2 Select **Show All**.
- 3 All configured Simplex 4100U Panels are displayed in an Object List.

- End -

Viewing Online Simplex 4100U Panels

Procedure 4-5 View Online Simplex 4100U Panels

Step	Action
------	--------

- 1 From the **Setup** tab, select **Fire Panels**.
- 2 Select **Online**.
- 3 All configured Simplex 4100U Panels that are currently Online are displayed in an Object List.

- End -

Viewing Offline Simplex 4100U Panels

Procedure 4-6 View Offline Simplex 4100U Panels

Step	Action
------	--------

- 1 From the **Setup** tab, select **Fire Panels**.
- 2 Select **Offline**.

- 3** All configured Simplex 4100U Panels that are currently Offline are displayed in an Object List.

- End -

Simplex 4100U Cards

Procedure 4-7 Viewing All Simplex 4100U Cards

Step	Action
1	Open the Device List pane.
2	Expand the Fire Panels icon. A list of configured fire panels is displayed.
3	Expand the Simplex 4100U Panels file.
4	Expand the required Panel . A list of Cards and Pseudo Cards are displayed.

Viewing Configured Points

Procedure 4-8 Simplex 4100U Points

From the **Setup** tab, users can view all configured Simplex 4100U Points or view configured Simplex 4100U Points that are in Fire Alarm state.

Procedure 4-9 View All Simplex 4100U Points

Step	Action
1	Click the Setup tab
2	Select Fire Points .
3	Select Show All
4	All configured Simplex 4100U Points are displayed in an Object List
- End -	

Procedure 4-10 View Simplex 4100U Points in Fire Alarm

Step	Action
1	Click the Setup tab
1	Select Fire Points .
2	Select In Alarm . All configured Simplex 4100U Points that are currently in Fire Alarm state are displayed in an Object List
- End -	

Procedure 4-11 Viewing Simplex 4100U Points for a Card

The Points and Pseudo Points associated with a Simplex 4100U Card can be viewed from the Device List.

Step	Action
1	Open the Device List pane.
2	Expand the Fire Panels icon. A list of configured fire panels is displayed.
3	Expand the Simplex 4100U Panels file.
4	Expand the required Panel . A list of Cards and Pseudo Cards are displayed.
5	Right-click on a card and click View Points . A list of points associated with that card is displayed in an Object List.
- End -	

Acquiring Data from a Simplex 4100U Panel

The Simplex 4100U Panel can acquire data from Simplex hardware.

Procedure 4-12 Acquire Data from a Simplex 4100U Panel

Step	Action
1	From the Device List tree, select Fire Panels and then right-click the Simplex Panel required.
2	Click Acquire Data . A "Data Acquisition" dialog box appears.
Note If necessary, click Cancel to stop data acquisition. If the Simplex 4100U Panel is offline, an error dialog will appear to show related error message.	
3	After successful communication, a "Panel Basic Information" dialog box will appear displaying the acquired Simplex Panel information.
4	Click Next . "Configure Card" dialog box will appear.
5	On the Physical Card and Pseudo Points tab, select data to be acquired.
6	Click Next .
7	Progress is displayed in the "Data Transfer Progress" dialog box. At the conclusion of the import process, the information will be presented.

- 8 To merge information to the database, click **Save to Database**.
or
Click **Detail...** to view a dialog box with failed import information.

- End -

Procedure 4-13 Viewing Data Acquisition Reports

Step	Action
1	Open the Device List pane.
2	Expand the Fire Panels icon. A list of configured fire panels is displayed.
3	Expand the Simplex 4100U Panels file. A list of configured fire panels is displayed.
4	Right-click the required Fire Panel .
5	Click View Data Acquisition Reports . A detailed list of data acquisitions associated with that fire panel is displayed in the Object List.
6	Right click on a report and click View Details to display details referring to that data acquisition report.

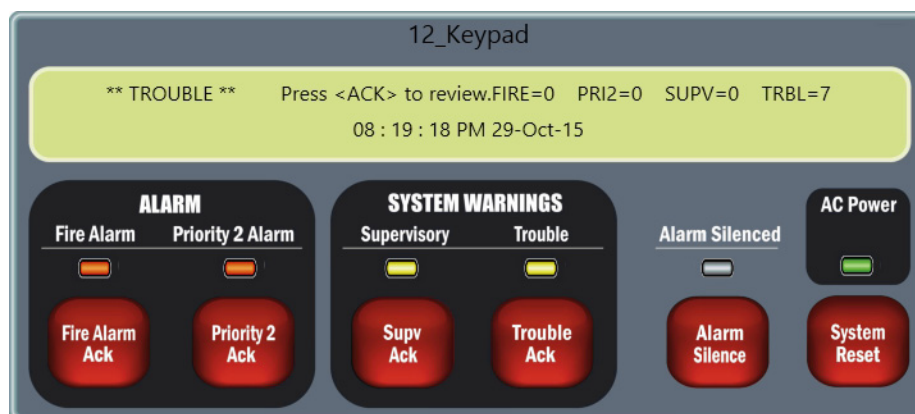
- End -

Simplex 4100U Virtual Keypad

The Simplex 4100U Virtual Keypad is a simulation of the Simplex Keypad. It is a read-only keypad, whereby the virtual LED lights update in synchronization with the Simplex Keypad when the panel status changes.

Figure 4-1 depicts the Simplex 4100U Virtual Keypad.

Figure 4-1 Simplex 4100U Virtual Keypad



The LED lights on the Virtual Keypad are color coded to indicate the status of the fire panel. Table 1, on page 9 describes the alarm definitions for each color.

The messages displayed in the text field indicate the number of points that have Alarms and System Warnings.

Table 1: Virtual Keypad LED Lights and Color Definitions

Virtual Keypad LED light	Color Definition
Alarm <ul style="list-style-type: none"> • Fire Alarm 	<ul style="list-style-type: none"> • Gray: No Fire Alarm. • Flashing: Fire Alarm requires acknowledgment. • Red: Fire Alarm acknowledged
<ul style="list-style-type: none"> • Priority 2 Alarm 	<ul style="list-style-type: none"> • Gray: No Priority 2 Alarm • Flashing: Priority 2 Alarm requires acknowledgment. • Red: Priority 2 Alarm acknowledged.
System Warnings <ul style="list-style-type: none"> • Supervisory 	<ul style="list-style-type: none"> • Gray: No Supervisory Warning • Flashing: Supervisory Warning requires acknowledgment. • Yellow: Supervisory Alarm acknowledged.
<ul style="list-style-type: none"> • Trouble 	<ul style="list-style-type: none"> • Gray: No Trouble Warning • Flashing: Trouble Warning requires acknowledgment. • Yellow; Trouble Warning acknowledged
<ul style="list-style-type: none"> • Alarm Silenced 	<ul style="list-style-type: none"> • Gray: Alarm Silenced Off • Yellow: Alarm Silenced On
<ul style="list-style-type: none"> • AC Power 	<ul style="list-style-type: none"> • Gray: Power Off • Green: Power On

Procedure 4-14 Accessing the Virtual Keypad

Step	Action
1	Open the Device List pane.
2	Expand the Fire Panels icon. A list of configured fire panels is displayed.
3	Expand the Simplex 4100U Panels file.
4	Expand the required Panel .
5	Double-click Keypad to open the Virtual Keypad in the Object List.
- End -	

