

# SEL Compass Software

## Instruction Manual



20240807

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# SEL Compass Operation and Use

SEL Compass<sup>®</sup> provides the easiest way to navigate through the many products SEL provides.

Compass offers a visual, highly intuitive interface for easy notification of product updates and for downloading and sharing of the many products and information that SEL provides. Sort new product updates, literature, and marketing material by solution, product family, or literature type. Update when you want, both automatically and on demand.

## Overview

---

The following steps provide a basic overview of using Compass.

Step 1. Install Compass.

Step 2. Connect to the SEL website.

Enter your mySEL account information into Compass, allowing it to connect to the SEL website to download product information. If desired, enable automatic updates.

Step 3. Select your view from one of the following choices:

- **Products** lists packages grouped by SEL product name.
- **Solutions** groups products by solution type (e.g., Automation/Integration, Metering, Protective Relays, etc.).
- **Literature** shows all available literature for SEL products.
- **Updates** lists new versions for files, drivers, and literature that you have previously downloaded to your computer.
- **Remove** shows packages already installed on your computer that can be removed when no longer required.
- **QuickSet** provides a shortcut for installing ACSELERATOR QuickSet<sup>®</sup> SEL-5030 Software and all necessary drivers.
- **Tools** provides a shortcut to a list of application packages associated with QuickSet.

Step 4. Find and select the package you want to download.

# Minimum Requirements

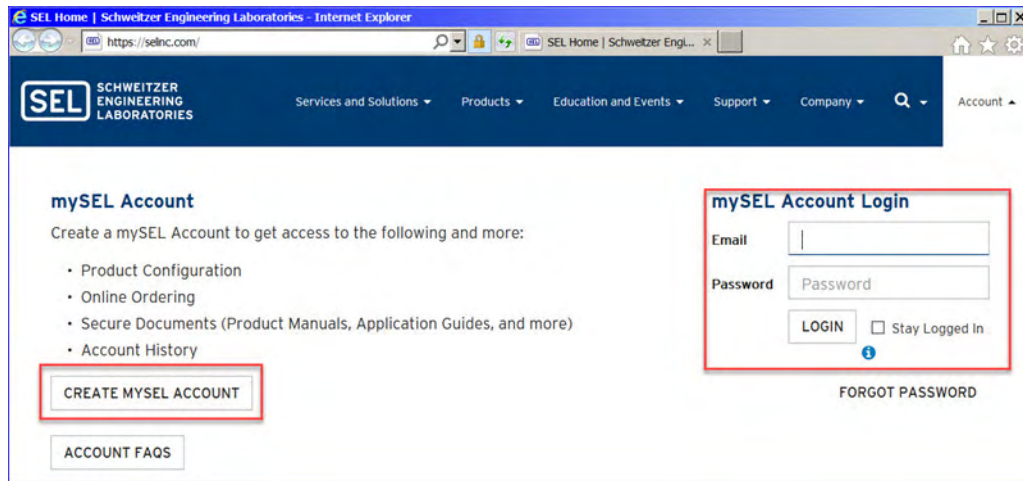
To install Compass, your computer must meet the following minimum requirements.

**Table 1 SEL Compass Minimum Requirements**

<b>Supported Operating Systems</b>	Microsoft Windows 7 (32- and 64-bit) Microsoft Windows 8 (32- and 64-bit) Microsoft Windows 10 (32- and 64-bit) Microsoft Windows Server 2008 Microsoft Windows Server 2012 Microsoft Windows Server 2016
<b>Processor Speed</b>	1 GHz
<b>RAM</b>	1 GB
<b>Disk Space</b>	50 MB
<b>Monitor</b>	VGA 1024 x 768 or higher resolution monitor <b>Note:</b> For best viewing of the application windows and text, you may need to access your Windows operating system settings and adjust the screen resolution settings to make text and other items larger or smaller.
<b>Other Peripherals</b>	Mouse or other pointing device
<b>Communications</b>	Internet connection for access to selinc.com (if a local download source is not used)

# Installation Steps

Log in to selinc.com if you already have a mySEL account.



**Figure 2 Log in to or Create a mySEL Account**

If you do not already have an SEL account, select **Create mySEL Account** to create a new account. While creating a new account, you have the option to configure your account to include two-factor authentication.

## mySEL Account Setup Options

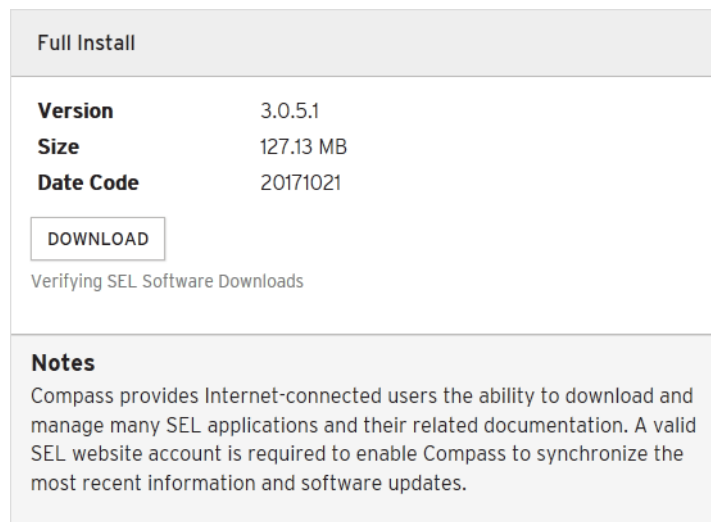
Once you are logged in to your SEL account, the management options shown in *Figure 3* are available. Optionally, if you have not configured two-factor authentication, you can select that option to be guided through the setup process.



**Figure 3** mySEL Account Management Options

## Download Compass

Go to [selinc.com/products/compass/](https://selinc.com/products/compass/) and select **Downloads** to download the latest version of Compass.



**Figure 4** Compass Download Link

Select **Save** to download the installer so that you can copy this installation onto your PC.



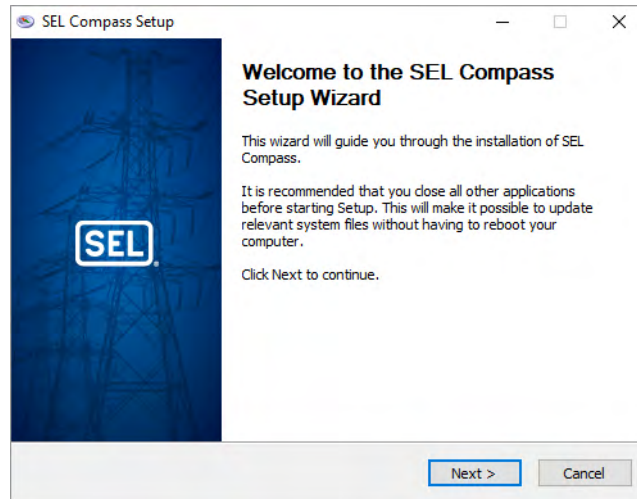
Once the file is downloaded, select **Run** to start the installation process.



# Install Compass

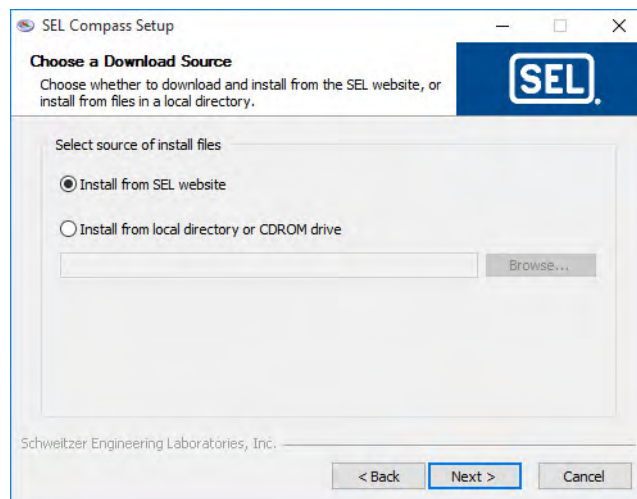
Perform the following steps to install Compass on your computer.

- Step 1. On the **SEL Compass Setup** welcome screen (as shown in *Figure 5*), select **Next** to begin the installation process, and then **I Agree** to accept the license agreement.



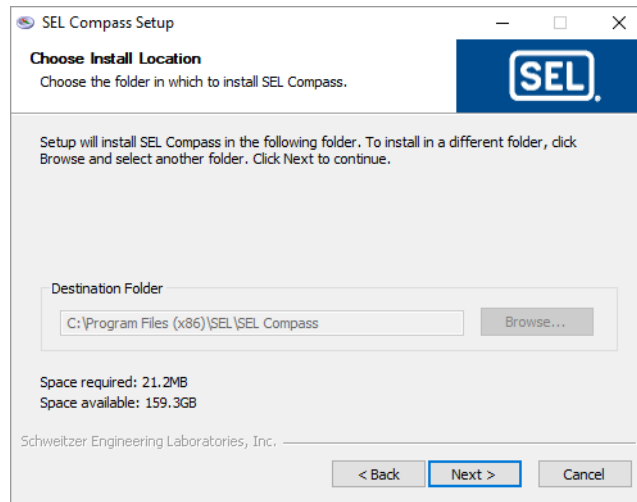
**Figure 5** Compass Setup Welcome Screen

- Step 2. On the **Choose a Download Source** page (as shown in *Figure 6*), choose one of the following options, and then select **Next**.
- Select **Install from SEL website** to download the installation files from the SEL website.
  - Select **Install from local directory or CDROM drive**, then select **Browse** and navigate to the location of the files to download the installation files from a local or network drive or from external media.



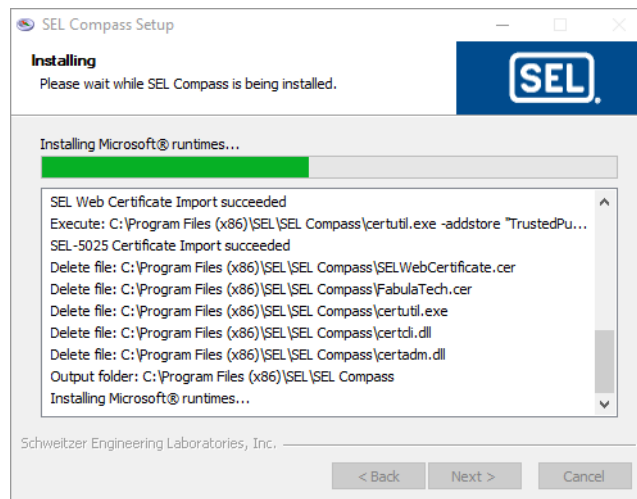
**Figure 6** Choose a Download Source

- Step 3. On the **Choose Install Location** page (as shown in *Figure 7*), either select **Next** to install Compass to the default location, or select **Browse**, choose where you want Compass to be installed, and then select **Next**.



**Figure 7 Choose Install Location**

- Step 4. On the **Create Shortcuts** page, choose what shortcuts you want to create and then select **Install**. The setup window will show the progress of the installation (as shown in *Figure 8*).

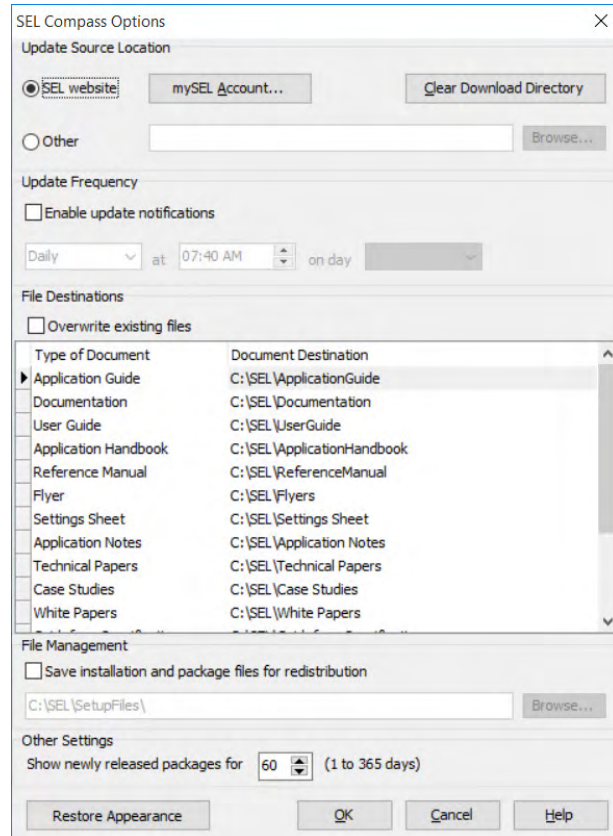


**Figure 8 Compass Installation Progress**

- Step 5. Select **Run SEL Compass** if you want to run Compass, and then select **Finish** to close the setup window.

## Configure Compass

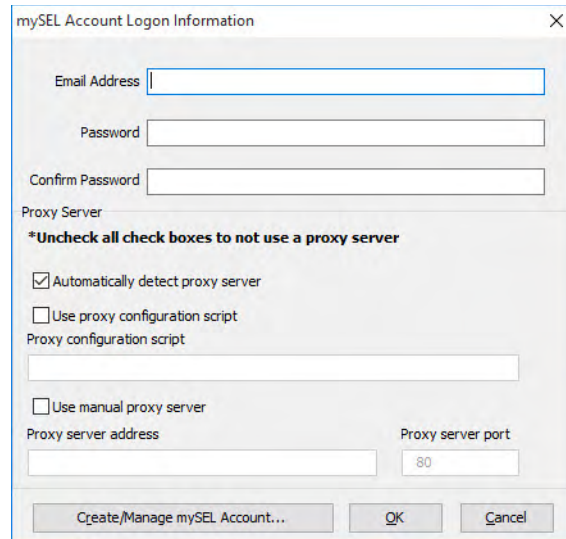
Upon starting Compass for the first time, the **Options** window appears (as shown in *Figure 9*), allowing you to configure your account information and other parameters.



**Figure 9** Compass Options

To configure Compass to download updated files and literature from the SEL website, perform the following steps:

- Step 1. Under **Update Source Location**, select the **SEL website** radio button and select **mySEL Account** to open the mySEL Account Logon Information window (as shown in *Figure 10*).

The image shows a dialog box titled "mySEL Account Logon Information". It contains three text input fields for "Email Address", "Password", and "Confirm Password". Below these is a section for "Proxy Server" with a warning: "\*Uncheck all check boxes to not use a proxy server". There are three checkboxes: "Automatically detect proxy server" (checked), "Use proxy configuration script" (unchecked), and "Use manual proxy server" (unchecked). Below the checkboxes is a text field for "Proxy configuration script". At the bottom of the proxy section are two more fields: "Proxy server address" and "Proxy server port" (with "80" entered). At the very bottom of the dialog are three buttons: "Create/Manage mySEL Account...", "OK", and "Cancel".

**Figure 10** mySEL Account Logon Information

- Step 2. Enter the email address and password associated with your mySEL account.
- Step 3. (Optional) If necessary, configure your proxy settings. Ask your system administrator for the names and port numbers of servers running your company's proxy software for each network service, and enter the information in the appropriate fields.
- Step 4. Select **OK**. If you have two-factor authentication enabled on your account, Compass prompts you for your Google Authenticator code. Otherwise, you are immediately returned to the **Options** window.
- Step 5. Select **OK** to accept the configuration parameters and open the Compass **Welcome** screen.

If the installation was unsuccessful, contact SEL for further support at +1.509.338.3838.

## Main Compass Work Area

The **Welcome** page, which appears at application startup, allows for quick access to the following shortcuts:

- **Solutions.** View all packages available for download, sorted and grouped by product name (e.g., SEL-451), type of solution (e.g., protective relays), or type of literature (e.g., data sheet).
- **Manage.** View all packages previously downloaded that have newer versions available for download, or view a list of previously downloaded packages that can be selected for removal.
- **ACCELERATOR.** View all packages available to install for QuickSet, including optional tools.



Selecting any of these shortcuts opens the main Compass window to the chosen view. As shown in *Figure 11*, the main Compass window consists of five panes:

- The **Sidebar** provides shortcuts for organizing, viewing, and managing available SEL literature and files.
- The **Navigation** pane allows you to organize the packages listed in the Package List.  
(The **Navigation** pane is not present in the What's New, Updates, Remove, or Selected views.)
- The **Package List** shows available packages, which can be sorted by status, type, date, version, or web location.
- The **Package Details** pane provides detailed information about a selected package from the Package List.
- The **Search** box allows you to search the Solutions, Products, and Literature for specific terms.

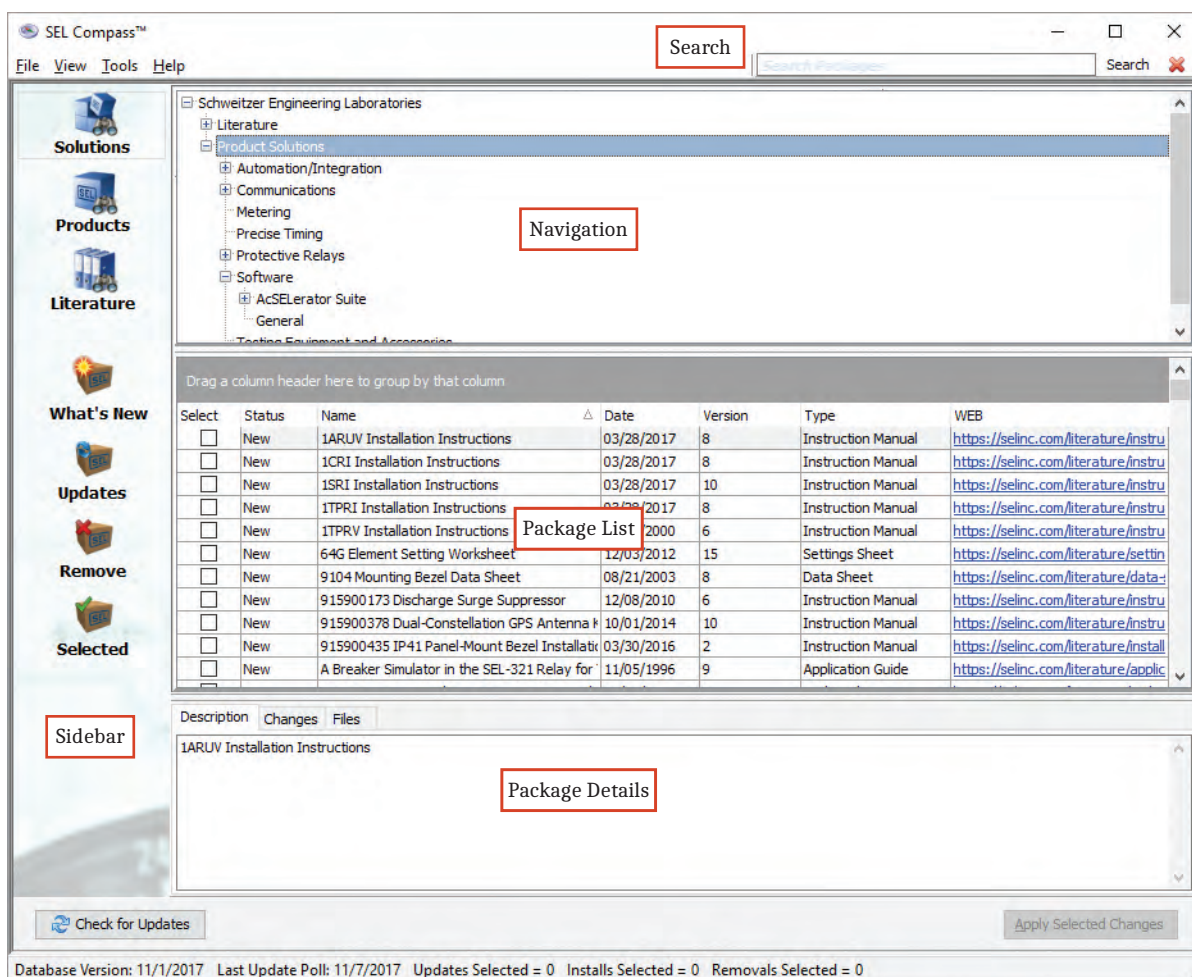
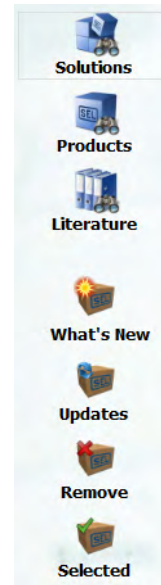


Figure 11 Main Compass Window



## Sidebar

Use the Sidebar (shown in *Figure 12*) to select what packages you want to see and how you want the information organized.



**Figure 12** Compass Sidebar

## Solutions

In this view, the Navigation pane allows you to view packages grouped by solution (e.g., Automation/Integration, Metering, Protective Relays, etc.).

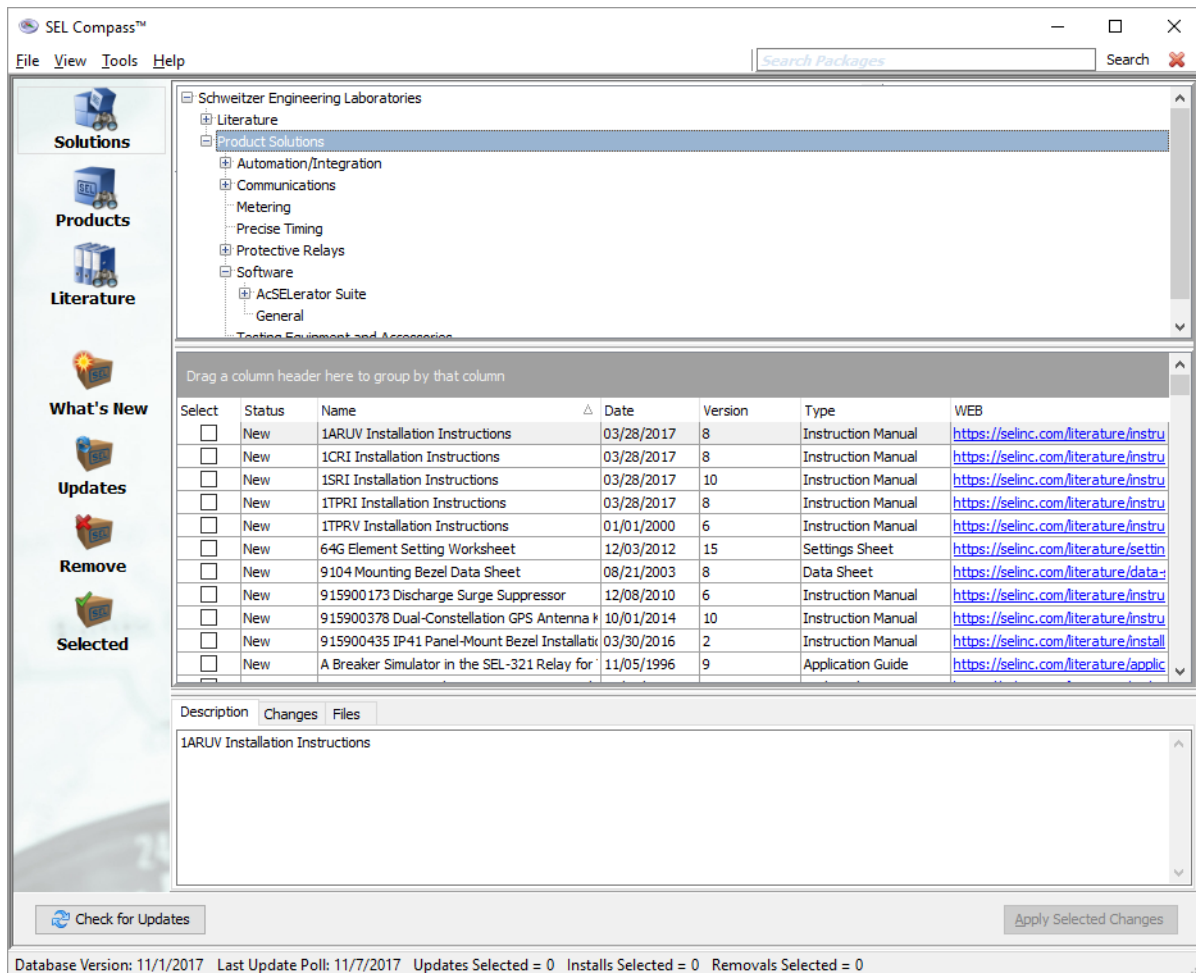


Figure 13 Solutions View

## Products

In this view, the Navigation pane allows you to view packages by product name.

SEL Compass™

File View Tools Help

Search Packages Search

**Solutions**

**Products**

**Literature**

**What's New**

**Updates**

**Remove**

**Selected**

Product Name	Description
AcSELeRator QuickSet	AcSELeRator QuickSet
AcSELeRator TEAM®	Automated Data Collection
AcSELeRator Tools	AcSELeRator suite supplemental applications, plugins and other utilities
SEL-powerCORE®	Substation Control Enclosure
SEL Legacy Drivers	QuickSet and QuickSet Designer Legacy Drivers
SEL-121	Distance Relay and Fault Locator
SEL-167	Phase and Ground Overcurrent Relay and Fault Locator
SEL-221F-2-3-4/121F-2-3	Phase Ground Distance Relay
SEL-221-16	Distance Relay/Fault Locator
SEL-221B	Phase Distance Relay
SEL-221C	Phase Distance Ground Overcurrent Relay

Drag a column header here to group by that column

Select	Status	Name	Date	Version	Type	WEB
<input type="checkbox"/>	New	ACSELeRATOR Bay Screen Builder SEL-5036 Software	07/12/2017	4	Instruction Manual	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	AcSELeRator QuickSet®	07/28/2014	39	Flyer	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	Update	AcSELeRator QuickSet SEL-5030 Software	09/12/2017	49	Instruction Manual	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	Current	AcSELeRator QuickSet SEL-5030	09/07/2017	6.6.0.0	AcSELeRator QuickSet	<a href="https://selinc.com/SEL-">https://selinc.com/SEL-</a>
<input type="checkbox"/>	New	AcSELeRator Quickset SEL-5030 Software Frequently Ask	07/06/2016	12	Flyer	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	AcSELeRator TEAM® Software Define, Acquire, Display,	07/28/2014	36	Flyer	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	Clean Install of AcSELeRator QuickSet® SEL-5030 Softw	10/21/2014	16	Application Guide	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	Clean Install of AcSELeRator QuickSet® SEL-5030 Softw	06/10/2013	14	Application Guide	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	Managing IED Passwords With the SEL-3620 Ethernet Se	08/10/2017	20	Application Guide	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	Migrating Connection Directory Entries From SEL-5010 to	07/17/2014	6	Application Guide	<a href="https://selinc.com/litera">https://selinc.com/litera</a>
<input type="checkbox"/>	New	Preparing for New Updates Connect to SEL Relays	01/09/2014	9	Application Guide	<a href="https://selinc.com/litera">https://selinc.com/litera</a>

Description Changes Files

ACSELeRATOR Bay Screen Builder SEL-5036 Software

Check for Updates Apply Selected Changes

Database Version: 11/1/2017 Last Update Poll: 11/7/2017 Updates Selected = 0 Installs Selected = 0 Removals Selected = 0

Figure 14 Products View

## Literature

In this view, the Navigation pane allows you to view packages based on literature type.

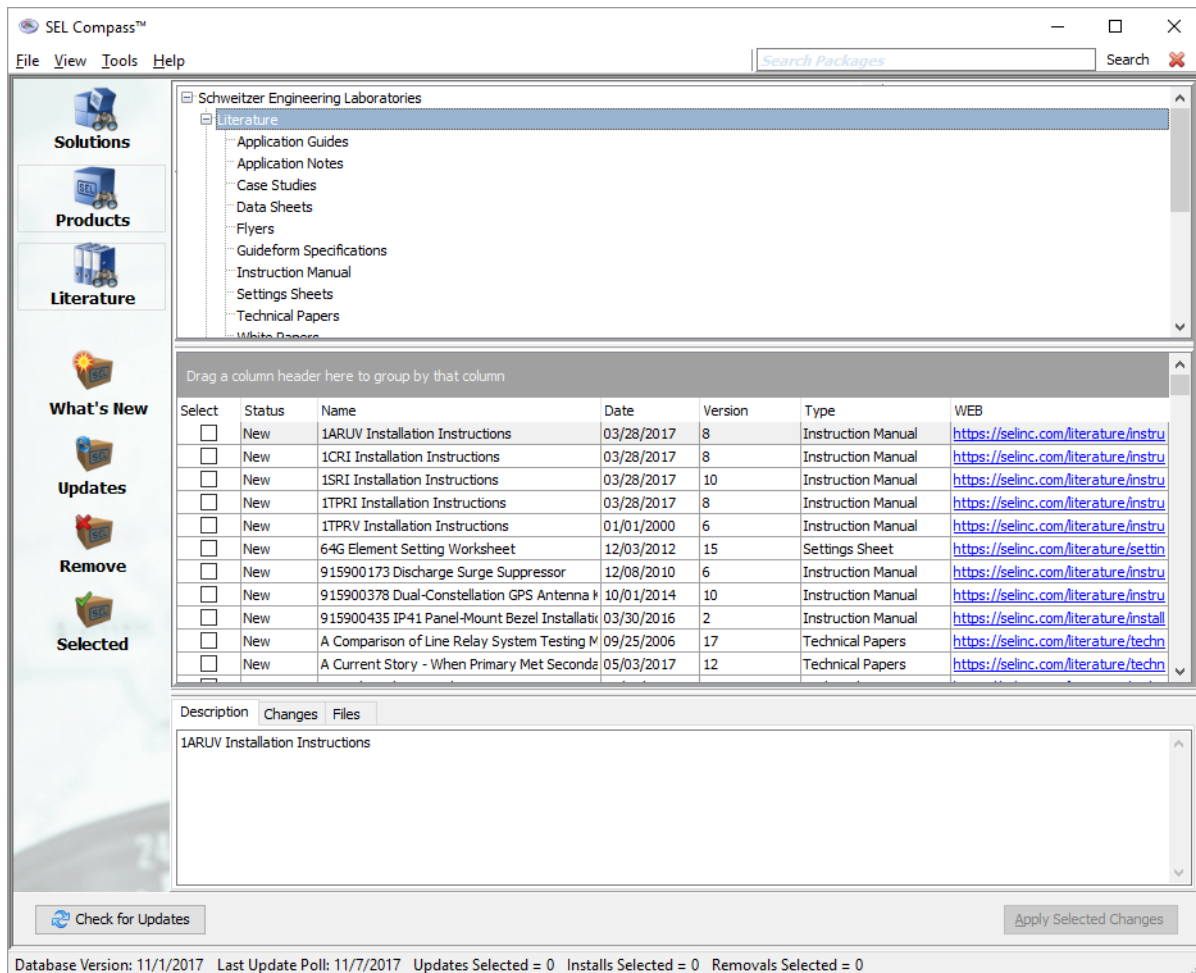


Figure 15 Literature View

## What's New

By default, this view shows all packages that have been created or updated within the last 60 days. Use the **Tools > Options** menu to configure this time period (from 1–365 days).

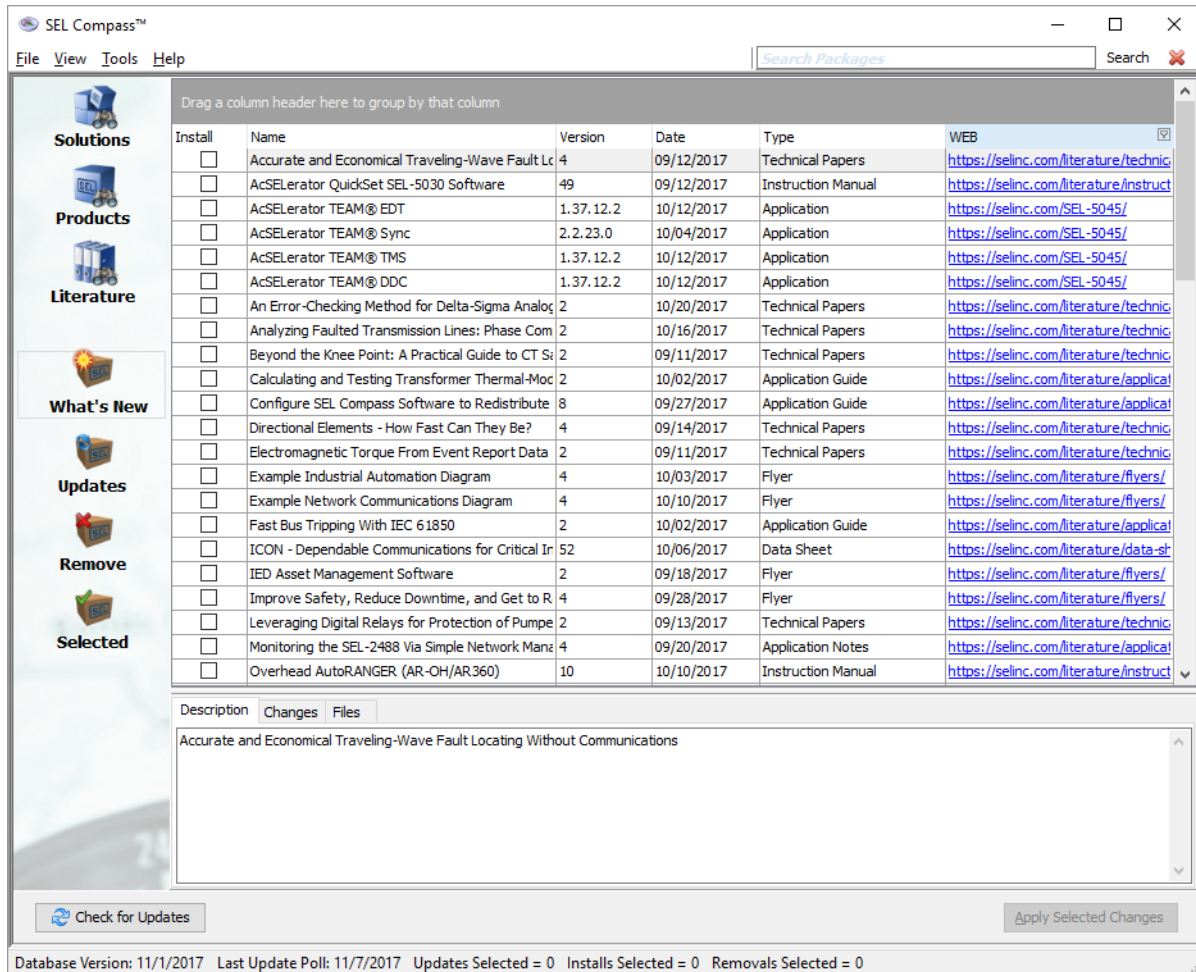
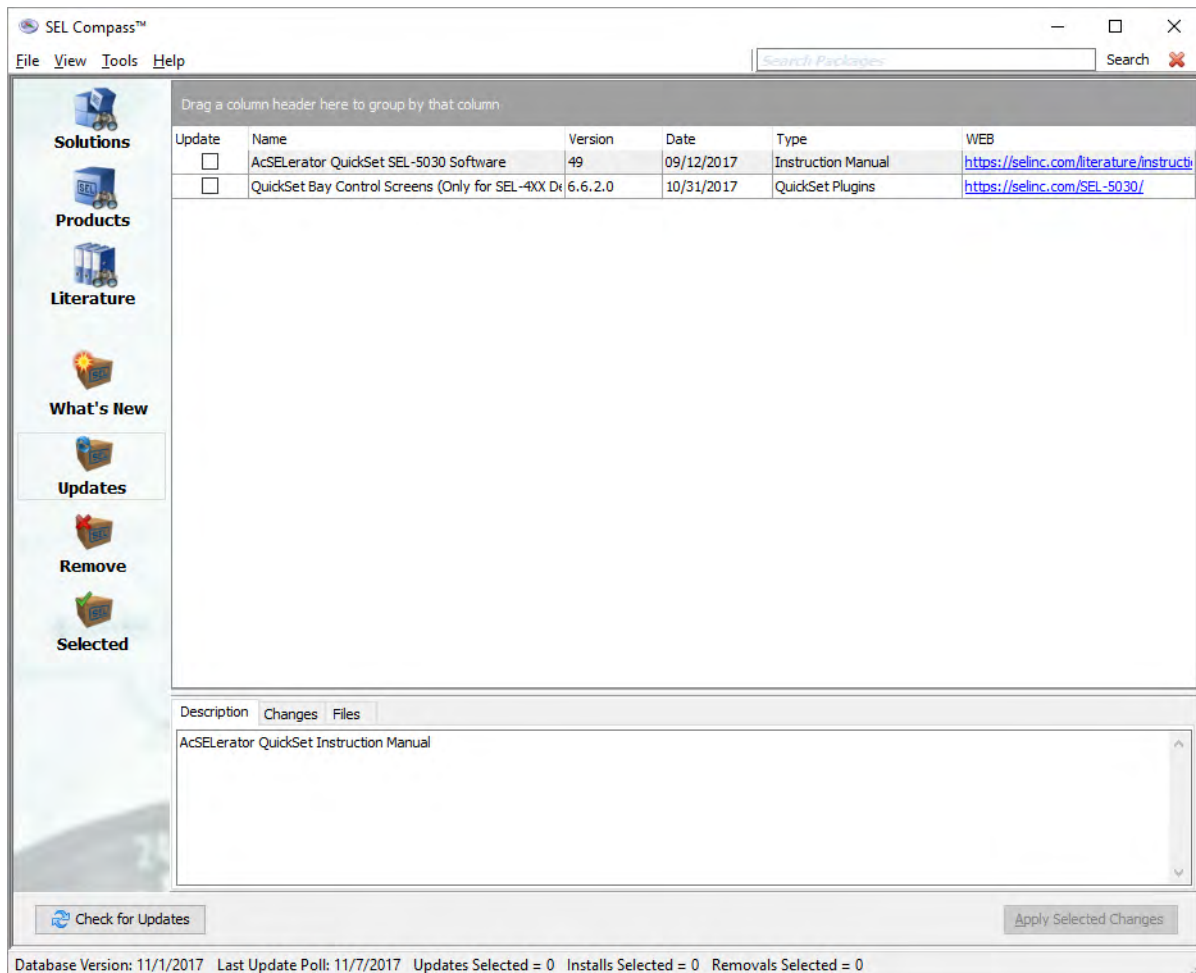


Figure 16 What's New View

## Updates

This view shows packages that you have previously installed for which a newer version is available.



**Figure 17 Updates View**

## Remove

This view shows packages you have previously downloaded and allows you to select those you want to remove.

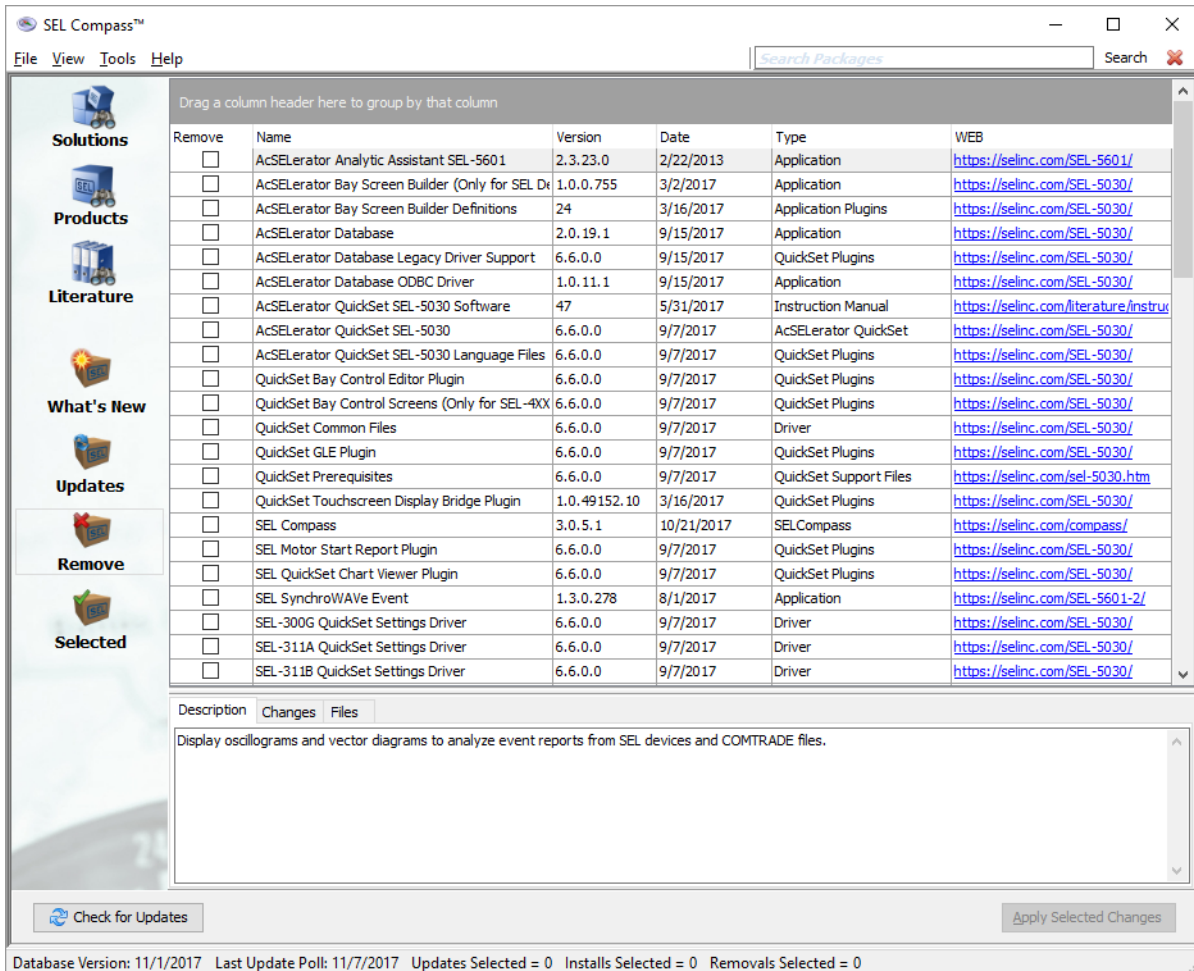


Figure 18 Remove View

## Selected

This view shows a list of all pending operations that you have selected within Compass, including updates, removals, and installations.

The screenshot shows the SEL Compass application window with the 'Selected' view active. The left sidebar contains icons for Solutions, Products, Literature, What's New, Updates, Remove, and Selected. The main area displays a table of pending operations with columns for Action, Name, Type, and WEB. Below the table is a description pane for the selected item, 'AcSELeRator QuickSet Instruction Manual'. At the bottom, there are buttons for 'Check for Updates' and 'Apply Selected Changes', along with a status bar showing database version, last update poll, and counts for updates, installs, and removals selected.

Action	Name	Type	WEB
To be updated	AcSELeRator QuickSet SEL-5030 Software	Instruction Manual	<a href="https://selinc.com/literature/instruction-manual/">https://selinc.com/literature/instruction-manual/</a>
To be installed	An Error-Checking Method for Delta-Sigma Analog-to-Digital Conversion	Technical Papers	<a href="https://selinc.com/literature/technical-papers/">https://selinc.com/literature/technical-papers/</a>
To be installed	Beyond the Knee Point: A Practical Guide to CT Saturation	Technical Papers	<a href="https://selinc.com/literature/technical-papers/">https://selinc.com/literature/technical-papers/</a>
To be installed	Fast Bus Tripping With IEC 61850	Application Guide	<a href="https://selinc.com/literature/application-guide/">https://selinc.com/literature/application-guide/</a>
To be installed	SEL Digital Substation Solutions	Flyer	<a href="https://selinc.com/literature/flyers/">https://selinc.com/literature/flyers/</a>
To be installed	SEL ICON Integrated Communications Optical Network	Instruction Manual	<a href="https://selinc.com/literature/instruction-manual/">https://selinc.com/literature/instruction-manual/</a>
To be removed	SEL Motor Start Report Plugin	QuickSet Plugins	<a href="https://selinc.com/SEL-5030/">https://selinc.com/SEL-5030/</a>
To be removed	SEL QuickSet Chart Viewer Plugin	QuickSet Plugins	<a href="https://selinc.com/SEL-5030/">https://selinc.com/SEL-5030/</a>
To be removed	SEL-700G QuickSet Settings Driver	Driver	<a href="https://selinc.com/SEL-5030/">https://selinc.com/SEL-5030/</a>

Description: AcSELeRator QuickSet Instruction Manual

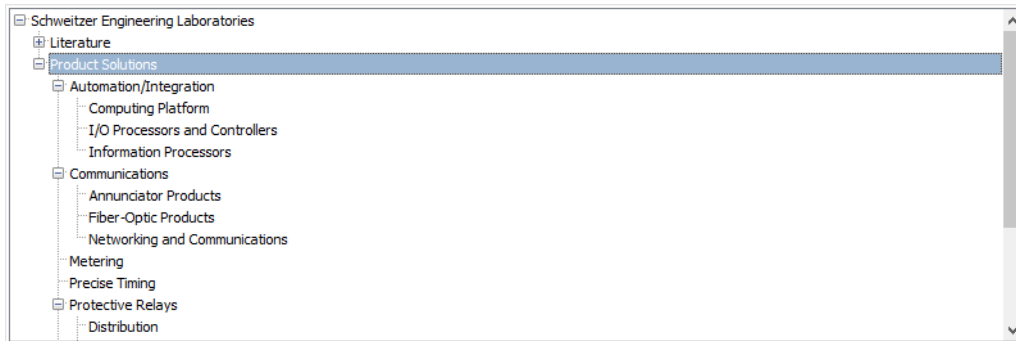
Database Version: 11/1/2017 Last Update Poll: 11/7/2017 Updates Selected = 1 Installs Selected = 5 Removals Selected = 3

Figure 19 Selected View



## Navigation Pane

The **Navigation** pane (as shown in *Figure 11*) allows you to select the type of packages that appear in the Package List. In the **Solutions** view, you can choose a solution for which you want to see available packages (as shown in *Figure 20*). Similarly, in the **Literature** view, you can select what type of documents you want to see.



**Figure 20** Navigation Pane in Solutions View

In the **Products** view, the Navigation pane provides a list of SEL products sorted alphabetically (as shown in *Figure 21*).

Product Name	Description
AcSELeator QuickSet	AcSELeator QuickSet
AcSELeator TEAM®	Automated Data Collection
AcSELeator Tools	AcSELeator suite supplemental applications, plugins and other utilities
SEL-powerCORE®	Substation Control Enclosure
SEL Legacy Drivers	QuickSet and QuickSet Designer Legacy Drivers
SEL-121	Distance Relay and Fault Locator
SEL-167	Phase and Ground Overcurrent Relay and Fault Locator
SEL-221F-2-3-4/121F-2-3	Phase Ground Distance Relay
SEL-221-16	Distance Relay/Fault Locator
SEL-221B	Phase Distance Relay
SEL-221C	Phase Distance Ground Overcurrent Relay

**Figure 21** Navigation Pane in Products View



## Package List

The **Package List** (as shown in *Figure 11*) allows you to view and select available packages. *Figure 22* shows an example **Package List**.

Drag a column header here, to group by that column						
Select	Status	Name	Date	Version	Type	WEB
<input type="checkbox"/>	New	1ARIUV Installation Instructions	03/28/2017	8	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	1CRI Installation Instructions	03/28/2017	8	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	1SRI Installation Instructions	03/28/2017	10	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	1TPRI Installation Instructions	03/28/2017	8	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	1TPRV Installation Instructions	01/01/2000	6	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	64G Element Setting Worksheet	12/03/2012	15	Settings Sheet	<a href="https://selinc.com/literature/setting">https://selinc.com/literature/setting</a>
<input type="checkbox"/>	New	9104 Mounting Bezel Data Sheet	08/21/2003	8	Data Sheet	<a href="https://selinc.com/literature/data-sheet">https://selinc.com/literature/data-sheet</a>
<input type="checkbox"/>	New	915900173 Discharge Surge Suppressor	12/08/2010	6	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	915900378 Dual-Constellation GPS Antenna	10/01/2014	10	Instruction Manual	<a href="https://selinc.com/literature/instru">https://selinc.com/literature/instru</a>
<input type="checkbox"/>	New	915900435 IP41 Panel-Mount Bezel Installati	03/30/2016	2	Instruction Manual	<a href="https://selinc.com/literature/install">https://selinc.com/literature/install</a>
<input type="checkbox"/>	New	A Breaker Simulator in the SEL-321 Relay for	11/05/1996	9	Application Guide	<a href="https://selinc.com/literature/applic">https://selinc.com/literature/applic</a>
<input type="checkbox"/>	New	A Current Story - When Primary Met Second	05/03/2017	12	Technical Papers	<a href="https://selinc.com/literature/techn">https://selinc.com/literature/techn</a>
<input type="checkbox"/>	New	A Fresh Look at Limits to the Sensitivity of Lin	04/07/2011	14	Technical Papers	<a href="https://selinc.com/literature/techn">https://selinc.com/literature/techn</a>

**Figure 22** Package List

You can use the following features to organize the **Package List**:

- Sort available packages by selecting a column header. Each time you select a header, the sort order toggles between ascending ( ▲ ) and descending ( ▼ ) order.
- Filter columns by the content they display by hovering your mouse within a column header and selecting the filter (  ) button. In the list that appears, select the list of packages you want to see. The filter button turns blue (  ) to indicate that a filter is active.
- Group columns by dragging and dropping any column header into the grouping area at the top of the list. (You can group a column even if it has a filter applied.)
- Right-click anywhere in the **Package List** to bring up a context menu. This allows you to quickly select or clear rows that do not have a **Status** of Current. If you right-click on a literature package, you can also **Open** the document from the context menu.

## Package Details

The **Package Details** pane (as shown in *Figure 11*) provides additional information about a selected package in the **Package List**. This information is separated into the following three tabs (as shown in *Figure 23*):

- **Description** provides a brief overview of the package.
- **Changes** shows the revision history of the package (only present when the package has a **Status** of Update).
- **Files** shows the file name of the package.

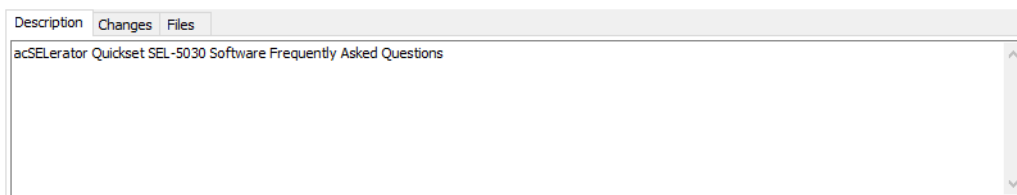



Figure 23 Package Details

In addition, when you select a package in the **Package List** and select **Apply Selected Changes**, a **Progress** tab appears, showing the progress of the selected action.

## Search Bar


The **Search** bar is present at the top right of the Compass window regardless of your current view (as shown in *Figure 11*). Enter a search term and either press **<Enter>** or select **Search** to find specific packages. Search functionality is not case-sensitive; for example, searching for “sel-5030” will find all rows in which the **Name** column includes “SEL-5030” (as shown in *Figure 24*).

sel-5030  Search

Drag a column header here to group by that column

Install	Status	Name	Version	Date	Type	WEB
<input type="checkbox"/>	Update	AcSElerator QuickSet SEL-5030 Software	49	09/12/2017	Instruction Manual	<a href="https://selinc.com/literature/instv">https://selinc.com/literature/instv</a>
<input type="checkbox"/>	Current	AcSElerator QuickSet SEL-5030	6.6.0.0	09/07/2017	AcSElerator QuickSet	<a href="https://selinc.com/SEL-5030/">https://selinc.com/SEL-5030/</a>
<input type="checkbox"/>	Current	AcSElerator QuickSet SEL-5030 Language File	6.6.0.0	09/07/2017	QuickSet Plugins	<a href="https://selinc.com/SEL-5030/">https://selinc.com/SEL-5030/</a>
<input type="checkbox"/>	New	AcSElerator Quickset SEL-5030 Software Fre	12	07/06/2016	Flyer	<a href="https://selinc.com/literature/flyer">https://selinc.com/literature/flyer</a>
<input type="checkbox"/>	New	Clean Install of AcSElerator QuickSet® SEL-50	16	10/21/2014	Application Guide	<a href="https://selinc.com/literature/appli">https://selinc.com/literature/appli</a>
<input type="checkbox"/>	New	Clean Install of AcSElerator QuickSet® SEL-50	14	06/10/2013	Application Guide	<a href="https://selinc.com/literature/appli">https://selinc.com/literature/appli</a>
<input type="checkbox"/>	New	Securing Dial-Up Modems Using AcSElerator Q	8	01/14/2013	Application Guide	<a href="https://selinc.com/literature/appli">https://selinc.com/literature/appli</a>
<input type="checkbox"/>	New	Loading SEL-351S Settings With AcSElerator®	11	04/23/2007	Application Guide	<a href="https://selinc.com/literature/appli">https://selinc.com/literature/appli</a>
<input type="checkbox"/>	New	Sharing AcSElerator® SEL-5030 Software Rel	9	02/12/2003	Application Guide	<a href="https://selinc.com/literature/appli">https://selinc.com/literature/appli</a>
<input type="checkbox"/>	New	SEL-5030 FAQ: How do I back up, copy, and n	6	08/27/2014	Guideform Specification	<a href="https://selinc.com/literature/guide">https://selinc.com/literature/guide</a>

Figure 24 Example Search for "sel-5030"

Select the clear () button next to the **Search** bar to remove the results and return to the previous view.

## Compass Menu Bar

This section provides a brief overview of the functionality available from the menu bar of Compass.

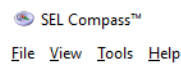


Figure 25 Menu Bar

## File Menu

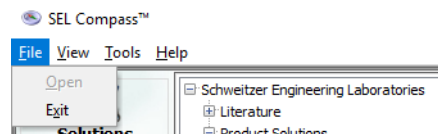


Figure 26 File Menu

Select **Open** to open the package that is presently selected in the Package List.

Select **Exit** to close Compass without saving any pending changes.

## View Menu

The **View** menu allows you to change the current view. Select **Welcome** to open the Compass welcome page (see *Main Compass Work Area* on page 1.7 for details). The remaining options correspond to those present on the Sidebar (see *Sidebar* on page 1.9 for details).

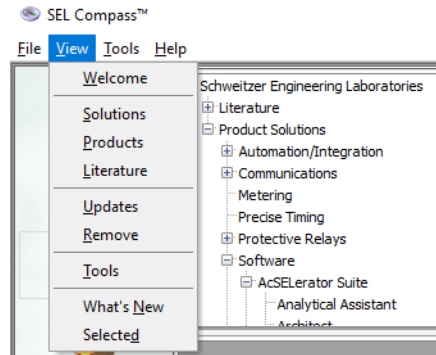


Figure 27 View Menu

## Tools Menu

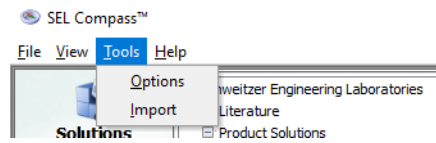


Figure 28 Tools Menu

## Options

Selecting **Tools > Options** opens the Compass **Options** window, which allows you to modify configuration options.

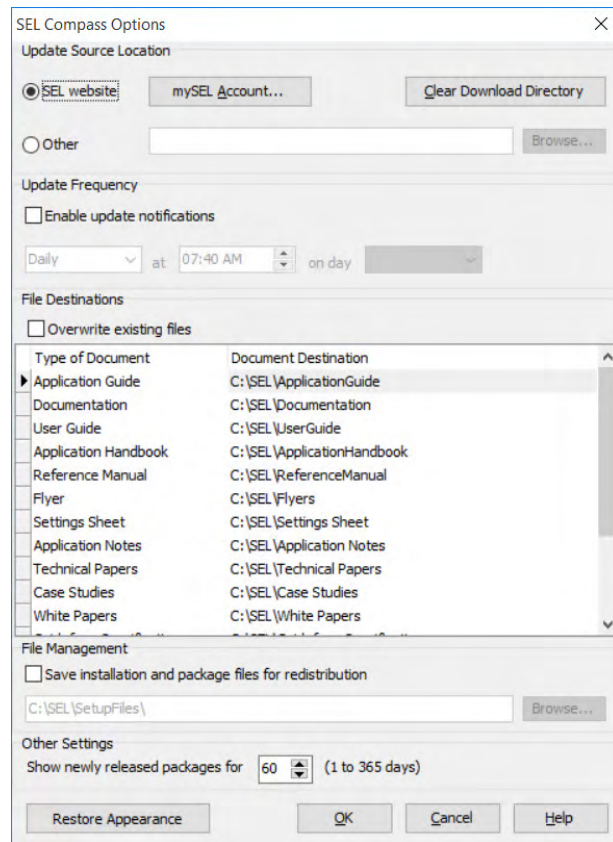


Figure 29 Options Window

## Update Source Location

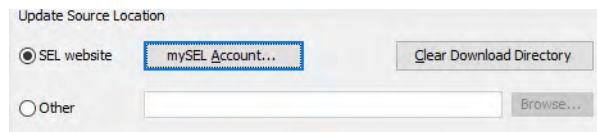


Figure 30 Update Source Location

### SEL Website

Choose this option to download the latest Compass information directly from selinc.com.

### Other

Choose this option to download the latest Compass information from a non-SEL source, such as a CD or a network location that your IS department has set up.

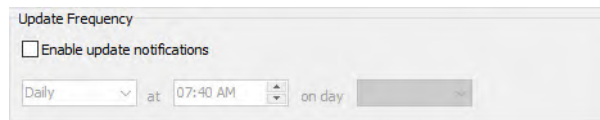
### mySEL Account

If you choose **SEL website** as your download location, use this button to enter your mySEL account and optional proxy server information. See *Configure Compass* on page 1.6 for instructions.

## Clear Download Directory

Select this button to clear any leftover files and directories from the last time an update or installation was performed. For example, during an installation, a “Versions do not match” error may be generated. Selecting **Clear Download Directory** will clear the directory, allowing you to restart the installation. If this does not resolve the error, contact SEL support for further assistance.

## Update Frequency



**Figure 31 Update Frequency**

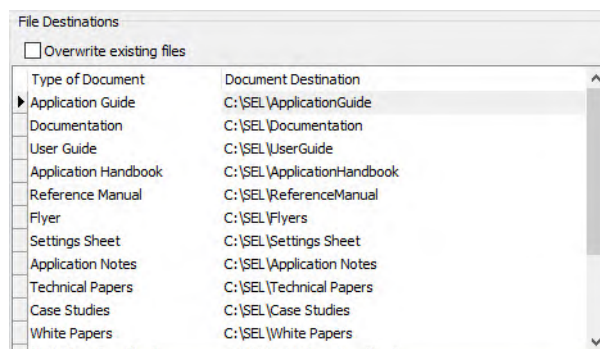
### Enable Update Notifications

Select this check box to receive automatic notifications of available updates. With this option enabled, Compass will launch at startup and run in the system task tray (i.e., minimized). If you close Compass, you will no longer receive update notifications.

### Frequency

If **Enable update notifications** is selected, you can schedule update notifications daily, weekly, or monthly on a day and time of your choice.

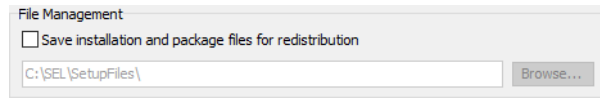
## File Destinations



**Figure 32 File Destinations**

Use the **File Destinations** pane to establish the location to which to save your packages. The default is the root directory in the SEL folder. To automatically delete older versions of a file you update, select the **Overwrite existing files** check box.

## File Management



**Figure 33 File Management**

Select the **Save installation and package files for redistribution** check box if you want to store installation files locally to allow for redistribution.

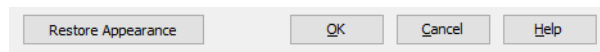
## Other Settings



**Figure 34 Other Settings**

Select a number of days (1–365) for which newly released packages will appear in the **What's New** view.

## Restore Appearance Button



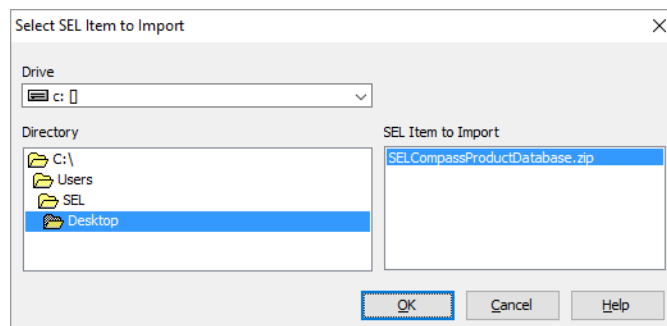
**Figure 35 Restore Appearance Button**

Grid views within Compass allow you to customize their appearance (via filtering, sorting, etc.). Select **Restore Appearance** to reset all views to their default state.

## Import

**NOTE:** The Import feature only works for QuickSet drivers.

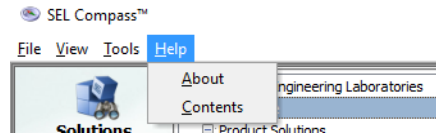
You can use Compass to manually import QuickSet drivers. This feature is useful if you are working with SEL personnel and they send you new packages to update.



**Figure 36 Import Window**

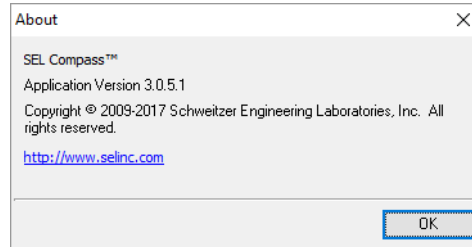
To manually import a package, navigate to the directory in which the package is saved, select the package, and select **OK**.

## Help Menu



**Figure 37 Help Menu**

Select **About** to open a window showing Compass version and copyright information.



**Figure 38 About Window**

Selecting **Contents** will open this instruction manual in PDF format.

## Technical Support

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We appreciate your interest in SEL products and services. If you have questions or comments, please contact us at:

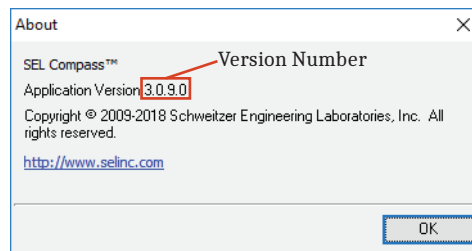
Schweitzer Engineering Laboratories, Inc.  
2350 NE Hopkins Court  
Pullman, WA 99163-5603 U.S.A.  
Tel: +1.509.338.3838  
Fax: +1.509.332.7990  
Internet: [selinc.com/support](http://selinc.com/support)  
Email: [info@selinc.com](mailto:info@selinc.com)



## Software and Manual Versions

### Software

To determine the software version of SEL Compass<sup>®</sup>, select **Help > About** to display the version number in a window such as *Figure 39*. For this example, the software version of Compass is 3.0.9.0.



**Figure 39 About Compass Window**

*Table 1* lists the software versions, a description of modifications, and the date code corresponding to the software version. The table lists the most recent software version first. This instruction manual does not cover software revisions previous to 1.0.3.1. *Table 1* is frequently updated, but go to [selinc.com/products/software/latest-software-versions/](http://selinc.com/products/software/latest-software-versions/) and find the Compass entry for the most recent software release notes.

Starting with revisions published after March 1, 2022, changes that address security vulnerabilities are marked with “[Cybersecurity]”. Other improvements to cybersecurity functionality that should be evaluated for potential cybersecurity importance are marked with “[Cybersecurity Enhancement]”.

**Table 1 Software Revision History (Sheet 1 of 4)**

Version Number	Summary of Revisions	Manual Date Code <sup>a</sup>
4.0.5.0	➤ [Cybersecurity Enhancement] Updated third-party components to ensure continuity of support.	20240807
4.0.4.0	➤ [Cybersecurity Enhancement] Updated the uninstaller to control access to the uninstall directory. ➤ [Cybersecurity Enhancement] Updated third-party components to ensure continuity of support. ➤ Enhanced notification to the user when their mySEL account is inactive when installing or updating packages.	20240522
4.0.3.0	➤ [Cybersecurity Enhancement] Enabled additional compiler features to help prevent execution of malicious code. ➤ [Cybersecurity Enhancement] Updated third-party components to ensure continuity of support.	20230828
4.0.2.0	➤ Improved the process that verifies the correct package version is downloaded	20230301
4.0.1.0	➤ [Cybersecurity] User data is now accessed by using a unique key based on user credentials, where previously user data was accessed by a global key.	20221122
4.0.0.1	➤ [Cybersecurity] Updated the installer to protect against maliciously placed files. ➤ Added Windows 11 support.	20220628

**Table 1 Software Revision History (Sheet 2 of 4)**

Version Number	Summary of Revisions	Manual Date Code <sup>a</sup>
3.1.3.0	<ul style="list-style-type: none"> <li>➤ Updated to support changes to literature packages from SEL website.</li> <li>➤ Updated to allow users to clear empty data filters.</li> </ul>	20211006
3.1.2.0	<ul style="list-style-type: none"> <li>➤ Upgraded SEL Compass SSL/TLS certificate validation to follow RFC 5280 sections 4.2.1.9.</li> </ul>	20210811
3.1.1.3	<ul style="list-style-type: none"> <li>➤ Added support for SEL Grid Configurator.</li> <li>➤ Replaced pacparser with Windows system calls for the parsing of PAC files. Pacparser, an open-source component, had a vulnerability that could allow memory overwrites.</li> <li>➤ Addressed the issue where Compass could not load local package data on computers whose time format used periods rather than colons as a separator character.</li> <li>➤ Addressed the issue where local time, rather than UTC time, was incorrectly used to validate HTTPS certificates.</li> <li>➤ Addressed the issue where Compass incorrectly reported success when it failed to import a QuickSet driver package.</li> <li>➤ Established the ACSELERATOR Database ODBC driver as a required component of the ACSELERATOR Database. If a user chooses to install the ACSELERATOR Database, the ODBC driver is also installed.</li> <li>➤ Randomized the performance of update checks to between the hours of 12:00 a.m. and 6:00 a.m. to diffuse traffic to selinc.com.</li> <li>➤ Improved the warning message displayed when Compass cannot validate an HTTPS certificate. The message now recommends that users run Windows Update.</li> <li>➤ Improved HTTPS certificate validation. Compass can now use a browser control in attempting to retrieve missing Root CA certificates to validate certificates when users access selinc.com.</li> </ul>	20200428
3.1.0.9	<ul style="list-style-type: none"> <li>➤ Replaced the use of Microsoft Access database files with JSON files.</li> <li>➤ Altered the highlighting used in the Sidebar to ease identification of the selected Compass view.</li> <li>➤ Added a dialog to inform users when an attempt to update a QuickSet package will require a full update of QuickSet.</li> <li>➤ Improved Compass performance when moving or downloading files.</li> <li>➤ Revised Compass update process so that it halts after 10 download failures. Previously, Compass would continue attempting to download every selected package regardless of how many downloads failed.</li> <li>➤ Improved Compass logging.</li> </ul>	20190930
3.0.9.0	<ul style="list-style-type: none"> <li>➤ Improved application logic for download failures. Compass now automatically retries download and only reports to the user on repeated failure.</li> <li>➤ Addressed issue where Compass would fail file certificate validation as a result of user firewalls adding an additional certificate to the certificate chain.</li> </ul>	20181217
3.0.8.0	<ul style="list-style-type: none"> <li>➤ Corrected issue where proxy server names were not properly resolving to IP addresses.</li> <li>➤ Corrected issue where update notifications would be enabled incorrectly.</li> </ul>	20181217
3.0.7.2	<ul style="list-style-type: none"> <li>➤ Improved installation logging.</li> <li>➤ Added &lt;Ctrl+F&gt; shortcut key for search bar.</li> <li>➤ Corrected issue where Compass installer would not detect if Compass was running.</li> <li>➤ Updated HTTPS implementation to validate HTTPS certificates by using UTC rather than local time.</li> <li>➤ Enabled Data Execution Prevention (DEP) for SELCompass.exe.</li> </ul>	20181217
3.0.6.1	<ul style="list-style-type: none"> <li>➤ Improved security for Compass installation.</li> <li>➤ Added export regulations that user must agree to before installing application packages.</li> <li>➤ Updated Compass instruction manual.</li> </ul>	20180507
3.0.5.1	<ul style="list-style-type: none"> <li>➤ Addressed issue in which Compass failed to authenticate a user that did not have two-factor authentication enabled.</li> </ul>	20171021
3.0.4.8	<ul style="list-style-type: none"> <li>➤ Added support for two-factor authentication for mySEL account.</li> <li>➤ Added a search feature.</li> <li>➤ Added support for ACSELERATOR TEAM<sup>®</sup> SEL-5045 Software applications.</li> <li>➤ Updated the Microsoft Access Database Engine component from 14.0 to 16.0, which addressed issues documented by Microsoft in MS13-074 (<a href="https://technet.microsoft.com/en-us/library/security/ms13-074.aspx">technet.microsoft.com/en-us/library/security/ms13-074.aspx</a>).</li> </ul>	20171018

**Table 1 Software Revision History (Sheet 3 of 4)**

Version Number	Summary of Revisions	Manual Date Code <sup>a</sup>
3.0.3.3	<ul style="list-style-type: none"> <li>➤ Addressed issue in Device Manager in which a file was deleted after upgrading from version 6.0.x.x or prior to latest release.</li> <li>➤ Addressed issue in which downloading large files could result in an out-of-memory error.</li> </ul>	20160323
3.0.2.0	<ul style="list-style-type: none"> <li>➤ Added user notification if Compass needs to be updated before any other updates can be selected.</li> <li>➤ Addressed issue in which choosing to install instruction manuals from QuickSet would not give the user any instruction manuals to choose.</li> </ul>	20150930
3.0.1.0	<ul style="list-style-type: none"> <li>➤ Addressed issue caused by upgrading packages that had files either removed or moved to a different package.</li> </ul>	20150805
3.0.0.5	<ul style="list-style-type: none"> <li>➤ Addressed issue in which non-Admin users could not open installed literature items.</li> </ul>	20150623
2.0.17.0	<ul style="list-style-type: none"> <li>➤ General maintenance updates.</li> <li>➤ Improved QuickSet installs.</li> </ul>	20150224
2.0.16.1	<ul style="list-style-type: none"> <li>➤ Improved logging to help diagnose connection issues.</li> <li>➤ Improved connection to installed packages database.</li> </ul>	20140930
2.0.15.1	<ul style="list-style-type: none"> <li>➤ Addressed issue in which QuickSet upgrades were not working correctly when upgrading to 5.15.x.x.</li> </ul>	20140729
2.0.14.3	<ul style="list-style-type: none"> <li>➤ Added support for ACSELERATOR Architect<sup>®</sup> SEL-5032 Software ICD packages.</li> <li>➤ Improved connection to installed packages database.</li> </ul>	20140708
2.0.13.7	<ul style="list-style-type: none"> <li>➤ General maintenance updates.</li> <li>➤ Improved user notification when performing installs and uninstalls.</li> <li>➤ Addressed issue in which screen would not refresh when choosing an option from the main screen.</li> </ul>	20140429
2.0.11.9	<ul style="list-style-type: none"> <li>➤ General maintenance updates.</li> <li>➤ Improved download of instruction manuals for QuickSet.</li> <li>➤ Modified Compass to detect in-use files before trying to update files.</li> </ul>	20140129
2.0.10.10	<ul style="list-style-type: none"> <li>➤ General maintenance updates to support new QuickSet packages and features.</li> </ul>	20130607
2.0.9.2	<ul style="list-style-type: none"> <li>➤ General maintenance updates to support new QuickSet packages.</li> </ul>	20130208
2.0.8.8	<ul style="list-style-type: none"> <li>➤ Improved handling of updates when packages being updated are in use.</li> <li>➤ Addressed issue that resulted in not being able to download updates.</li> <li>➤ Addressed issue in which selecting <b>Check for Updates</b> would close Compass.</li> </ul>	20130204
2.0.7.5	<ul style="list-style-type: none"> <li>➤ Addressed issue in which proxy server on Windows XP would not be autodetected.</li> </ul>	20121019
2.0.6.1	<ul style="list-style-type: none"> <li>➤ Addressed issue in which web login information would not be preserved when upgrading to a new version of Compass.</li> </ul>	20120831
2.0.5.12	<ul style="list-style-type: none"> <li>➤ Improved downloading of packages when behind a proxy server.</li> <li>➤ Updated main application window.</li> <li>➤ Decreased number of prompts when installing packages.</li> </ul>	20120824
2.0.4.1	<ul style="list-style-type: none"> <li>➤ Addressed issue in which Compass would show <i>all</i> QuickSet drivers as removed if one or more QuickSet drivers were removed.</li> </ul>	20120404
2.0.3.1	<ul style="list-style-type: none"> <li>➤ Addressed issue in which QuickSet Drivers could not be installed from within QuickSet.</li> </ul>	20120302
2.0.2.36	<ul style="list-style-type: none"> <li>➤ Improved update process.</li> <li>➤ Improved handling of failed downloads and updates.</li> <li>➤ Improved download and install process for required packages.</li> <li>➤ Added option to allow literature updates to be downloaded either as a new version (to preserve the existing version) or to overwrite the existing version.</li> </ul>	20120125
2.0.1.9	<ul style="list-style-type: none"> <li>➤ General maintenance updates.</li> <li>➤ Addressed issue in which packages were being downloaded multiple times per update session.</li> </ul>	20111003
2.0.0.6	<ul style="list-style-type: none"> <li>➤ General maintenance updates.</li> <li>➤ Improved selection features for instruction manuals.</li> </ul>	20110217
1.0.12.0	<ul style="list-style-type: none"> <li>➤ Modified to allow Compass to download device instruction manuals to be used for QuickSet driver help files.</li> </ul>	20101220

**Table 1 Software Revision History (Sheet 4 of 4)**

Version Number	Summary of Revisions	Manual Date Code <sup>a</sup>
1.0.11.6	<ul style="list-style-type: none"> <li>➤ Modified to allow easier selection of related items for a particular product/package.</li> <li>➤ Addressed issue with certificate errors.</li> </ul>	20100930
1.0.10.1	<ul style="list-style-type: none"> <li>➤ Addressed issue in which files would not download when using Compass behind a proxy server.</li> </ul>	20100226
1.0.9.7	<ul style="list-style-type: none"> <li>➤ Addressed issue in which selecting <b>Check for Updates</b> would close Compass.</li> <li>➤ Added ability to perform command-line installs.</li> <li>➤ Added more dependency checking when looking for updates and installing packages.</li> </ul>	20090601
1.0.8.0	<ul style="list-style-type: none"> <li>➤ Addressed issue in installer that could delete files from the Root directory of the computer on which Compass was installed.</li> </ul>	20081022
1.0.7.7	<ul style="list-style-type: none"> <li>➤ Modified to save Compass layout when exiting application.</li> <li>➤ Modified to allow user to only show items that are new within the last 60 days.</li> <li>➤ Modified to dim items that are not available when getting updates locally.</li> </ul>	20081008
1.0.6.2	<ul style="list-style-type: none"> <li>➤ Made non-web installs easier.</li> </ul>	20080731
1.0.5.0	<ul style="list-style-type: none"> <li>➤ Resolved issue in which Compass would freeze if started with automatic updates enabled and no Internet connection available.</li> </ul>	20080722
1.0.4.4	<ul style="list-style-type: none"> <li>➤ Added proxy settings to option form.</li> <li>➤ Integrated status window during installs and updates in main Compass window.</li> <li>➤ Added ability to save all files downloaded to a local or network drive to allow Compass to check for updates internally.</li> </ul>	20080716
1.0.3.1	<ul style="list-style-type: none"> <li>➤ Added option to allow user to choose where to look for updates when installing Compass.</li> </ul>	20080603

<sup>a</sup> Information about changes to earlier versions of the Compass Software is not available.

# Instruction Manual

The date code at the bottom of each page of this manual reflects the creation or revision date.

*Table 2* lists the instruction manual versions and revision descriptions. The most recent instruction manual version is listed first.

**Table 2 Instruction Manual Revision History (Sheet 1 of 2)**

Date Code	Summary of Revisions
20240807	<ul style="list-style-type: none"> <li>➤ Updated for software version 4.0.5.0.</li> </ul>
20240522	<ul style="list-style-type: none"> <li>➤ Updated for software version 4.0.4.0.</li> <li>➤ Added <i>Appendix B: Cybersecurity Features</i>.</li> </ul>
20230828	<ul style="list-style-type: none"> <li>➤ Updated for software version 4.0.3.0.</li> </ul>
20230301	<ul style="list-style-type: none"> <li>➤ Updated for software version 4.0.2.0.</li> </ul>
20221122	<ul style="list-style-type: none"> <li>➤ Updated for software version 4.0.1.0</li> </ul>
20220628	<ul style="list-style-type: none"> <li>➤ Updated for software version 4.0.0.1.</li> </ul>
20211006	<ul style="list-style-type: none"> <li>➤ Updated for software version 3.1.3.0.</li> </ul>
20210811	<ul style="list-style-type: none"> <li>➤ Updated for software version 3.1.2.0.</li> </ul>
20200428	<ul style="list-style-type: none"> <li>➤ Updated for software version 3.1.1.3.</li> </ul>

**Table 2 Instruction Manual Revision History (Sheet 2 of 2)**

Date Code	Summary of Revisions
20190930	<ul style="list-style-type: none"><li>➤ Added List of Tables.</li><li>➤ Changed Welcome to SEL Compass Operation and Use.</li><li>➤ Revised <i>Table 1: SEL Compass Minimum Requirements</i>.</li><li>➤ Clarified description of enabling update frequency notifications.</li><li>➤ Created Appendix A to include software and instruction manual revision information.</li><li>➤ Updated for software version 3.1.0.9.</li></ul>
20181217	<ul style="list-style-type: none"><li>➤ Updated for software versions 3.0.7.2, 3.0.8.0, and 3.0.9.0.</li></ul>
20180507	<ul style="list-style-type: none"><li>➤ Initial version.</li></ul>

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# Cybersecurity Features

## Introduction and Security Environment

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### Product Function

SEL Compass is used to download and install SEL Software and Literature items. SEL Compass can be configured to download new or updated items directly from the SEL website or from a local or shared network location.

### Security Requirements

SEL Compass requires an account with Administrator privileges to install and run, as well as to install software packages that need access to the Windows Registry and other folders that require Administrator privileges.

SEL Compass can be used within an isolated network, where one system can supply update and package information to other PCs by using a shared folder.

For more information on local redistribution of packages, refer to the “Configure SEL Compass Software to Redistribute Packages Over a Network Location” (AG2013-16) application guide on the SEL Compass product page at <https://selinc.com/products/compass/>.

SEL Compass has an option to turn on Enable Update Notifications, turned off by default, which runs in the background when SEL Compass is minimized. Enable Update Notifications is for notifications only—it does not automatically download and install SEL Compass updates.

## Version Information

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### Obtaining Version Information

*Appendix A: Software and Manual Versions* contains a list of SEL Compass releases and descriptions of each software update. See “The SEL Process for Disclosing Security Vulnerabilities” at [https://selinc.com/security\\_vulnerabilities/](https://selinc.com/security_vulnerabilities/) for details on vulnerability disclosure.

New revisions of SEL Compass can be downloaded from the Software Downloads page located at <https://selinc.com/software/downloads/>. The SEL Compass software version number can be found by navigating to **Help > About** within the application menu bar.

New revisions can be identified by visiting the Latest Software Versions page on the SEL website at <https://selinc.com/products/software/latest-software-versions/>. Revisions that contain cybersecurity-significant changes will be labeled with “[Cybersecurity]”.

## Integrity Indicators

The SEL Compass installer is signed by SEL. For instructions on how to verify the signature, see <https://selinc.com/company/verifying-software-downloads/>.

## Commissioning and Decommissioning

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### Commissioning

The installation files required to install SEL Compass are located at <https://selinc.com/software/downloads/>.

An Administrator level user is required to install SEL Compass.

### Secure Operation Recommendations

SEL recommends that the latest version of SEL Compass be used and that updates are installed frequently using the Updates option on the SEL Compass welcome screen.

### Decommissioning

If you are removing a computer from service or no longer require SEL Compass, you can either uninstall the application or uninstall the application and its stored data. Default folder locations for SEL Compass are as follows:

C:\ProgramFiles (x86)\SEL\SELCompass\

C:\ProgramData\SEL\SELCompass\

%APPDATA%\SEL\SELCompass\

C:\SEL\

Literature packages are stored and located under the C:\SEL\ folder by default. This location can be modified under the **Tools > Options** menu. Refer to *File Destinations* on page 1.22 for more information.

## External Interfaces

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### Ports and Services

#### Physical Ports

SEL Compass does not use physical ports.



## Logical Ports

**Table B.1 SEL Compass Ports**

IP Port Default	Port Selection Setting	Network Protocol	Default Port State	Port Enable Setting	Purpose
80	HTTTPOR	TCP	Enabled	HTTP	Web server access to read various package information
443	HTTTPOR	TCP	Enabled	HTTPS	Web server access to read various package information

## Application Interfaces

*Table B.2* provides a list of the default ports and descriptions for services running as part of SEL Compass. All addresses must be enabled and allowed for proper operation of SEL Compass.

**Table B.2 Addresses Used by SEL Compass**

Needed Addresses for SEL Compass	Purpose of Addresses
ocsp.r2m01.amazontrust.com	Online Certificate Status Protocol to check the status of digital certificate
ocsp.rootg2.amazontrust.com	Online Certificate Status Protocol to check the status of digital certificate
ocsp.rootca1.amazontrust.com	Online Certificate Status Protocol to check the status of digital certificate
ocsp.globalsign.com/ca/gsatlasr3dvtlsca2023q3	Online Certificate Status Protocol to check the status of digital certificate
ocsp2.globalsign.com/rootr3	Online Certificate Status Protocol to check the status of digital certificate
o.ss2.us/	Online Certificate Status Protocol to check the status of digital certificate
selinc.com	SEL content location
cdn.selinc.com	SEL content location
procdn.selinc.com	SEL content location
cms-cdn.selinc.com	SEL content location

## File System Interfaces

SEL Compass stores a copy of the literature packages under the default location of C:\SEL\.

SEL Compass has an option to store a Redistributable folder in which all literature and software packages will be stored in the default location of C:\SEL\SetupFiles\. See *File Management* on page 1.23 for more information.

## Access Controls

### Privilege Levels

SEL Compass requires a user with Administrator level access to run and download or install packages.

### Centrally Managed Accounts

SEL Compass requires a mySEL account to access packages from the SEL website.

If the Other field is being used for package downloads under the Update Source Location option, a mySEL account is not required. See *Update Source Location* on page 1.21 for more information.

## Local Accounts Access

SEL Compass does not support local accounts.

### Passwords

SEL Compass does not store local account passwords.

## X.509 Certificates

SEL Compass uses TLS with X.509 certificates to protect communications between local services.

SEL Compass supports TLS versions 1.1, 1.2, and 1.3, which are used with HTTPS communications.

## Physical Access Controls

SEL Compass does not use any physical access controls.

## Logging Features

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### Security Events

Security events are logged in the Windows Event Viewer in the Windows Log folder under the Security category.

The SEL Compass log file stores traffic sent and received from the SEL website, including failed authentication attempts and valid and invalid certificates.

### Internal Log Storage

SEL Compass stores logs in the following location:

`%APPDATA%\SEL\SELCompass\SELCompass.log`

These logs contain operation information from SEL Compass, the SEL website, or local update locations. You can view these log files with any text editor. The availability of free space on your hard drive limits the size of these logs. Once the free space limits on your hard drive are reached, the log will begin to remove the oldest data in the log so that it can write the new data.

### Syslog

SEL Compass does not implement the use of Syslog.

## Alarm Contact

SEL Compass does not implement the use of an alarm contact.

## Backup and Restore

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Literature packages are stored and located under the C:\SEL\ folder by default. These packages cannot be imported back into SEL Compass but can be opened manually.

## Malware Protection Features

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SEL Compass does not implement any malware protection features. SEL does provide malware mitigation recommendations in “The SEL Process for Mitigating Risk to Embedded Devices” available at <https://selinc.com/api/download/6155/>.

## Product Updates

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### Obtaining Updates

SEL provides security disclosure alerts to customers, and SEL instruction manuals document all releases. SEL security vulnerability disclosures are described in “The SEL Process for Disclosing Security Vulnerabilities” located at [https://selinc.com/security\\_vulnerabilities](https://selinc.com/security_vulnerabilities).

You can sign up to receive email notifications when SEL releases security vulnerability notices and Service Bulletins at <https://selinc.com/support/security-notifications/>.

### Update Verification

For information on verifying software downloads, visit <https://selinc.com/company/verifying-software-downloads/>.

## Contact SEL

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For further questions or concerns about product security, contact SEL at [security@selinc.com](mailto:security@selinc.com) or +1.509.332.1890.

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