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# **Keyscan/Saflok System Integration**

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Keyscan Aurora and Saflok 6000 Integration

KD50025-E-0918

# Introduction

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This Keyscan integration is with the Saflok System 6000 software V5.6, currently used in multi-housing and lodging applications. This integration provides the end-user a host of access control features that are not available in the System 6000 software alone.

This integration provides two additional benefits. The first is allowing a single Saflok credential to be used on both the Keyscan and System 6000 system, which makes it easier for guests to gain access within the building. The second feature is that typically only one interface (System 6000 Client) creates the Saflok credential and when the guest's data is stored in the Saflok database, it is then automatically sent to the Aurora database. So, by the time the guest registers, receives their card and walks to any of their assigned rooms, they have the required access permissions to gain entry.

## Meeting with the Saflok Installation Team

**IMPORTANT:** This meeting is critical for a successful integration.

This integration requires unique data to be entered into both the Keyscan Aurora software and the Saflok System 6000. Both Keyscan and Saflok servers need to have network connectivity to allow data to flow from the System 6000 to the Aurora database. A Keyscan installation team member will be required to meet with a Saflok installation team member to review the networking and data requirements for both systems and to coordinate the installation of both systems so that both are finished at the same time.

As part of the unique data example mentioned above, the Saflok installation team will need to verify and enter the Saflok System 6000 group names adopted by the customer into three other areas of entry: a) In the Aurora Sync .xml file, b) In the Aurora software - Group Setup, and c) In the Aurora software – Site Setup.

**Note:** The Group/Site name(s) must match in all three product locations for the credentials to work with the integration.

## Recommended Server Specifications

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The selection of computer hardware is a critical element that affects system performance. Prior to purchase, ensure that your intended server setup matches the set requirements for the Aurora software. For a full layout of recommended minimum requirements, refer to the Aurora System Architecture document (Document #KD30013-E).

**Note:** For optimum performance of the Keyscan Aurora software, it is highly recommended that the Aurora software client, communication service and database be installed on separate servers and not on any of the Saflok servers for maximum system efficiency.

# Integration Requirements

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## Keyscan Side

For this Keyscan/Saflok integration to work properly, there are several requirements for the Keyscan system:

1. AURORA-S Keyscan access control software package. This software package contains the latest version of the Aurora software (minimum version is V1.0.16.0 or higher) with software license and an Aurora SDK (Software Developers Kit) software license; both are required for this integration.
2. Keyscan CA150 ACUs (PC1156 dipswitch version board) with custom firmware Item #CF10010 V1.63. Keyscan CA250, CA4500, CA8500 ACUs (PC1097 dipswitch version board), EC1500 or EC2500 ECUs with custom firmware Item# CF10004. To be able to read the unique Saflok credential bit structure.
3. This integration is meant for SRK-series of readers only. No other type or style of reader can be used as the Saflok credential is unique. Supported readers are as follows:
  - a. Non-BLE Readers – SRK-RCFN0, SRK-RNFC0 or SRK-RNSC0.
  - b. BLE Readers – SRK-RCFN2, SRK-RNFC2 or SRK-RNSC2.

## Saflok Side

There are two items that the Saflok installation team will be providing that you will need to confirm with them at your initial meeting to ensure that this integration will work as designed. These items are sold, installed and configured by the Saflok installation team:

1. Saflok System 6000 V5.6 Software.
2. Saflok Aurora Sync V2.1.1 Integration Interface.

# Software Installation

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Contents on the DVD include: Keyscan Aurora Software, which includes the Client, communication service, agent and database. Other software is also included on this DVD that may or may not be required for this integration. Copies of all software and hardware documentation. The DVD also contains a text file that identifies the Aurora Software Version number.

You must first install the Aurora database, the Client and then the communication services. For installation details, refer to the AuroraInstallation.chm (online help file) that is located on the DVD and can be run without installation.

# Software Registration

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**Note:** The required software registration codes are found on the back of the DVD envelope. These codes must be entered into the software and should be kept in a safe place thereafter if re-installation is required.

After installation of all the required software components, the Aurora software then needs to be registered before the integration can be used. Please note the Aurora software version number before beginning; it will be required upon registration. The Aurora version number is listed on the Client Software Registration screen and located in a text file on the DVD. You will also need to know the Window's or server operating system running the Aurora software client.

Follow these steps to register all required software:

1. Log on to the Aurora Client. The Software Registration screen opens automatically until the software is registered. Complete the customer and dealer details. The top 6 fields are mandatory. Once complete, select the Save button.
2. Select the Licenses tab and enter the applicable software licenses, including the SDK license provided in the Aurora-S package. Select the Save button.
3. Visit [keyscanregistration.ca](http://keyscanregistration.ca) to perform an online registration of the software.
4. From the Keyscan Registration page, enter the same client and dealer information in their respective fields. Select the Next button. Minimize the Registration web page.
5. Return to the Aurora Client Software Registration screen and highlight the numbers in the Machine Key field. Right-click on the highlighted numbers and select Copy.
6. Return to the web page and insert the cursor in the Machine Key Serial Number text field. Right-click and select Paste.
7. Click in the box below Software Version and select the Aurora version you are registering.
8. Click in the box below Operating System and select the Windows or server OS running the Aurora software.
9. Enter the applicable Aurora software license(s), including the SDK license provided in the Aurora-S package, in their respective module boxes. Select the Next button.
10. From the Review screen, ensure that the information entered is correct. If any mistakes were made, click on the corresponding Edit links. The cursor changes to a hand symbol when the mouse is positioned over the link. If the information is correct, select the Register Software button.
11. From the Thank You screen, highlight the first Unlock Code, right-click and select Copy. Return to the Aurora Client Software Registration screen. Click in the corresponding Unlock text box. Right-click and select Paste. Repeat for the SDK unlock code remaining in the Keyscan Registration "thank you for taking the time to register your software" web page.
12. When all unlocked codes are entered, select the Register button.
13. To exit the Software Registration screen, select the Back button until you return to the main screen.

If any software failed to register, contact dormakaba Canada Inc. for registration assistance, toll-free (Canada/USA) 1-888-KEYSCAN (539-7226) or +1-905-430-7226 for outside Canada/USA, between 9AM and 5PM, EST.

# Hardware and Software Setup

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The Saflok SDK integration with Aurora requires the ACU and the Aurora software to both be put into KABA Integrated Mode.

## ACU Setup

System Configuration DIP switches to enter KABA Integrated Mode: S2.11 = 0, S2.12 = 1.

If the control board S2.11 & S2.12 is altered at any point while a panel is powered, you are required to perform a clear memory to restore new factory defaults. Press S1, wait 5 seconds, then press S3 within 10 seconds to execute this process.

## CA150 ACU Setup

Reader Format DIP switches: S2.1, S2.3, S2.4, S2.5 and S2.6 = 1, S2.2 = 0.

System Configuration DIP switches to enter KABA Integrated Mode: S2.9 = 1, S2.10 = 0.

## Aurora Software Setup

First, select Application Utilities under the Application Management menu. Select the Application Settings tab and select the check box beside KABA Integrated Mode under the Card Settings sub menu. Select the Yes button from the pop-up window. Select the Save button located on the bottom-right of the screen.

For ACUs other than the CA150, an additional step is required. Select Hardware Setup under the Site Information menu. Under the Doors tab located to the left of the screen, select the Additional Settings upper tab. Under the Reader Format field, select S – KABA Integrated (17Byte) from the drop down menu. Select the Save button located on the bottom-right of the screen.

# Limited Technical Support

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The Aurora-S integration software comes with limited telephone technical support\*.

However, additional limited dealer telephone/email technical support can be purchased as a package (Part #AURSAFA). This package includes a maximum of four (4) events of up to fifteen (15) minutes in duration for each event. Technical support that is unused shall expire after thirty (30) days from the date of the first event or after six (6) months from the date of purchase. This package can only be purchased directly from dormakaba Canada Inc. on account or by credit card (MasterCard or VISA) and cannot be purchased through any distribution.

**\*Note:** Technical support included refers to support of up to four (4) events of up to fifteen (15) minutes in duration for each event. Unused technical support shall expire after thirty (30) days from the date of the first event or after six (6) months from the date of purchase.