# RacePoint Blueprint Auto Setup Feature - Application Note

**Article Information**

**Full Description**

## RacePoint Blueprint® Auto Setup Feature

**Application Note**

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|---|---|
| Document Date: | December 2014 |
| Document Supports: | da Vinci 7.0 |

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### Introduction

To simplify the process of configuring certain 3rd party products in the RacePoint Blueprint application, Savant has created the **Auto Setup** feature. The Auto Setup feature queries 3rd party equipment configured in the RacePoint Blueprint configuration and auto populates the data tables with information received. This greatly simplifies the setup process by eliminating the need to manually enter information about these 3rd party devices.

The Auto Setup feature works as a standalone product and needs to adhere to the following guidelines:

- While Auto Setup is running, a Savant Host (Smart or Pro) cannot be connected to the Savant controller sending the query.
- The Auto Setup feature is supported over RS-232 only.
- The 3rd party device must have an RS-232 control port.
- The Auto Setup feature will overwrite any previous changes made to the data table for the particular device being queried.
- Refer to the **Supported 3rd party devices** table below for information on which devices are supported.

**Hardware Connections**

Below are the connections required prior to configuring the Auto Setup feature.

**SDE / MacBook**

**To network
port on SDE**

**RacePoint Blueprint
installed on SDE**

**Local Network**

**Plug into RS-232 port
of device being queried**

**A Savant RJ-45 to DB9
adapter may be required**

**Ethernet**      **RS-232**

**Savant Controller**
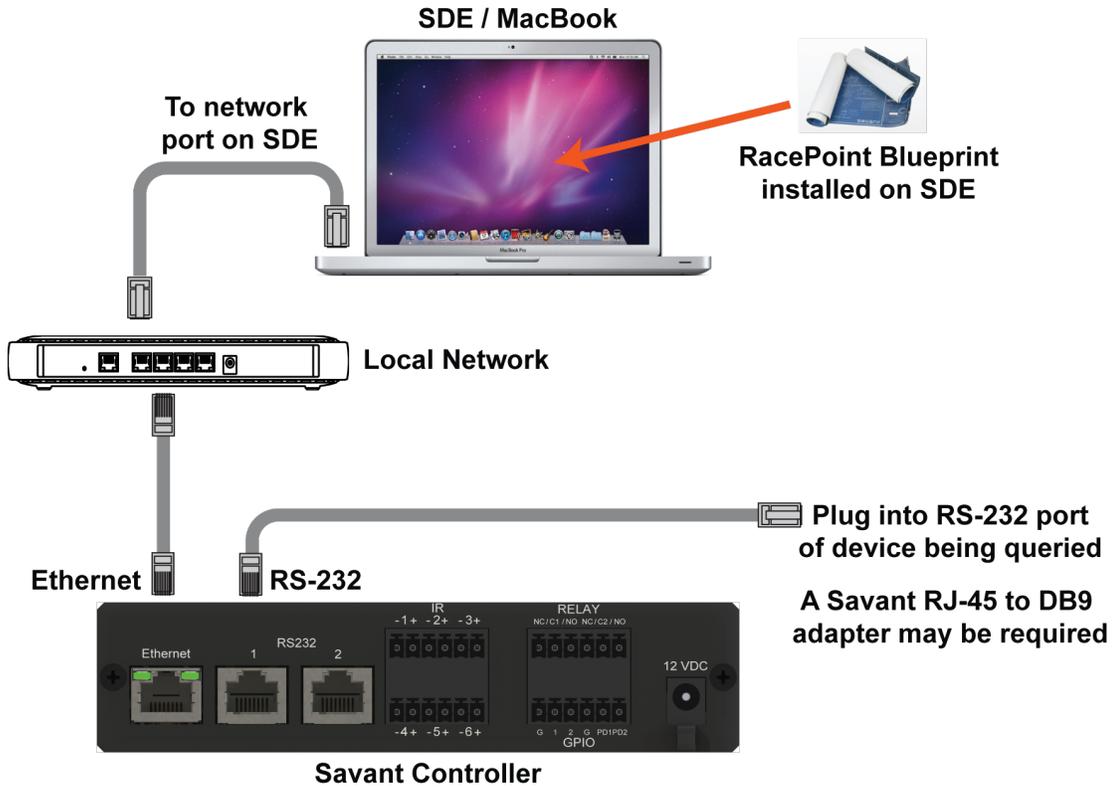
**Auto Setup Requirements**

The Auto Setup feature is either triggered through an event that occurs or is manually initiated. Both are described below. The information in the next few bullets are required for the Auto Setup feature to function:

- The hardware should be connected as shown in the **Hardware Connections** section.
- RacePoint Blueprint must be running and both the controller and the 3rd Party device being queried must be in the configuration window. In the image below, a Security System is being queried.

**Savant Controller**

▼ Control Ports
  IR(Serial PWM) Output 1
  IR(Serial PWM) Output 2
  IR(Serial PWM) Output 3
  IR(Serial PWM) Output 4
  IR(Serial PWM) Output 5
  IR(Serial PWM) Output 6
  RS-232 1 (RTS/CTS)
  RS-232 2 (RTS/CTS)
▼ Data
  Ethernet (Ethernet)

**Security System**

▼ Control Ports
  Printer/Serial Interface
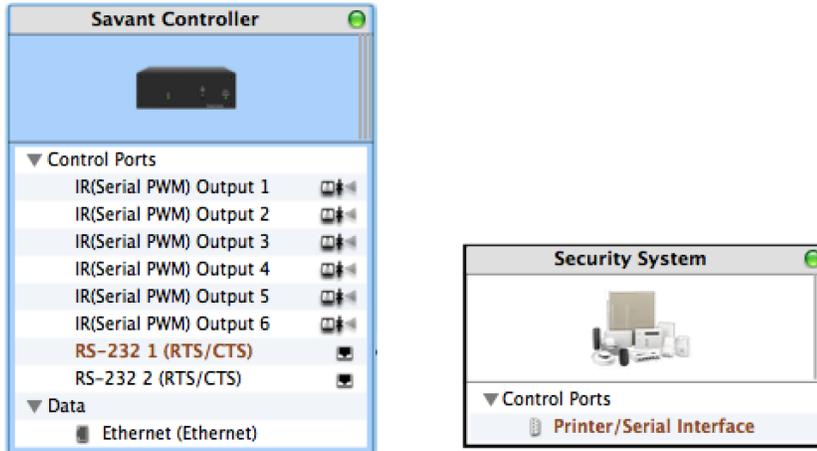
- The Unique ID (UID) must be populated in the Savant ID field of the controller on the network.
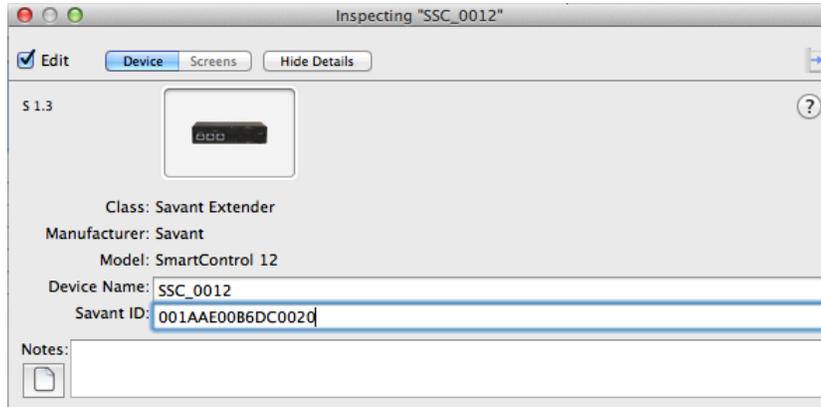
**Initiate Auto Setup when connecting RS-232 control connection:**

The Auto Setup wizard pop-up appears when an RS-232 connection is made between the Savant controller and the 3rd party device. The UID must be pre-populated in the **Inspector** of the controller. If there is no UID populated, the Auto Setup feature will be disabled.

1. The hardware should be connected as shown in the **Hardware Connections** section.
2. Start RacePoint Blueprint on the Savant Development Environment (SDE/MacBook®).
3. In Blueprint, connect the RS-232 port from the Savant controller to the RS-232 port on the 3rd party device. At this point, an **Auto Setup** prompt will appear allowing the user the option to enter the **Auto Setup** wizard.



4. Select the **Now** button to start the wizard.

**Note:** If you currently don't want to run the Auto Setup feature select **Later**. The Auto Setup feature can be initiated at any time by selecting **Tools > Settings > Security System** from the RacePoint Blueprint menu bar. A data table drop-down menu will appear and the **Auto Setup** button will be active.

5. The data table will open and the Auto Setup dialog window will be presented. Select Next to begin the setup.
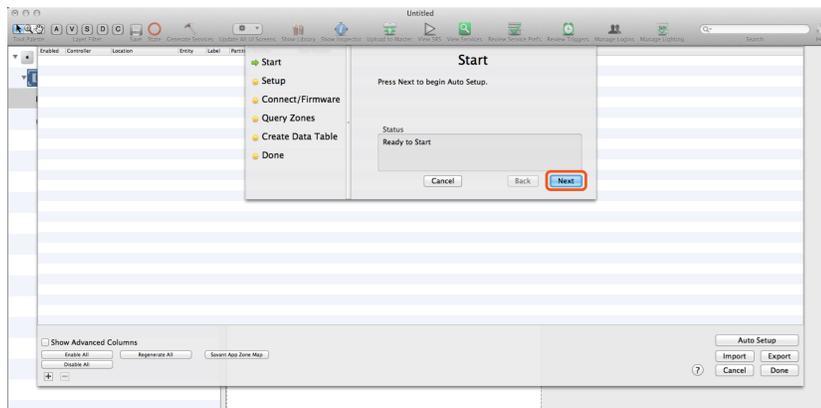


6. Auto Setup will begin to query the device. If the SDE/MacBook has both a wired and wireless connection, a window similar to the one below will appear. Select appropriately.

7. A **Stop any running systems** window appears. Read the message and take any necessary actions. Select **OK**



8. RacePoint Blueprint will connect to the 3rd party device through the RS-232 port. Each step in the **Start** window will run. As each step completes, it will change to green indicating whether the specific step has passed.
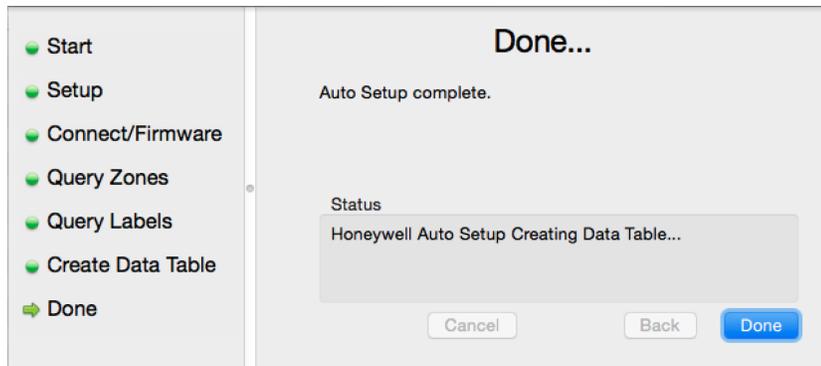


9. Once complete, select **Done**. The data table will be populated with information from the device. Fill in the **Location** column for each zone.

| Enabled | Controller | Location | Entity | Label | Partition Number | Zone Number |
|---|---|---|---|---|---|---|
| ✓ | Security System | Partition 2 | Partition | Partition 2 | 2 | |
| ✓ | Security System | Partition 3 | Partition | Partition 3 | 3 | |
| ✓ | Security System | Partition 1 | Partition | Partition 1 | 1 | |
| ✓ | Security System | Foyer | Zone | Front Door | | 1 |
| ✓ | Security System | Family Room | Zone | Patio Door | | 2 |
| ✓ | Security System | Master Bedroom | Zone | Balcony | | 3 |
| ✓ | Security System | Dining Room | Zone | Back Door | | 4 |
| ✓ | Security System | Kitchen | Zone | Kitchen Door | | 5 |
| ✓ | Security System | Office | Zone | Office Entrance | | 6 |
| ✓ | Security System | Wine Cellar | Zone | Entrance | | 7 |
| ✓ | Security System | Garage | Zone | Garage Door | | 8 |
| ✓ | Security System | Guest House | Zone | Front Door | | 9 |

Show Advanced Columns     Auto Setup

Enable All    Regenerate All    Savant App Zone Map    Import    Export

Disable All    ?    Cancel    Done

10. Select the **Savant App Zone Map** button highlighted above and configure the **Zone Map** dialog window that opens. For information on configuring the zone mappings, click the help icon in the opened dialog window.

**Additional Information**

- The Auto Setup is supported on specific 3rd party devices. Refer to **Supported 3rd party devices** table below for a list of supported devices.
- Auto Setup does not compare older data table entries. Data table entries are overwritten and any custom settings could be lost.
- Connections between two separate subnets are not supported.
- **RPMTerminal** and **rpmEmbScanner** will not connect while the Auto Setup feature is running.
- The Auto Setup feature will attempt to connect to the 3rd party device. If after 150 seconds there is no connection, the Auto Setup feature will display the message below.
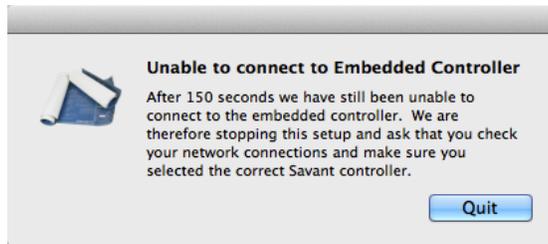


- **Add UID to access Auto Setup** is displayed in the data table if there is no UID configured in the Inspector window of the controller. If no UID is entered, the **Auto Setup** button is grayed out and the Auto Setup feature cannot be accessed. Refer to window below.
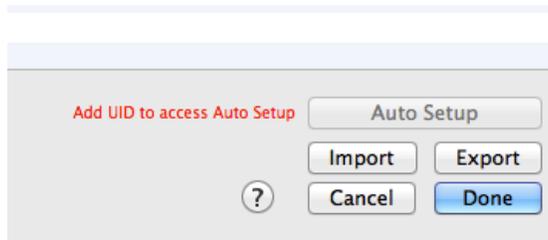


- A **Message Log** opens each time an RS-232 connection is attempted and the UID of the controller is not assigned.



- If there is more than one device in the configuration that supports the Auto Setup feature, a **Pick a Device** dialog box will appear. Select the device to query and select **Pick**.
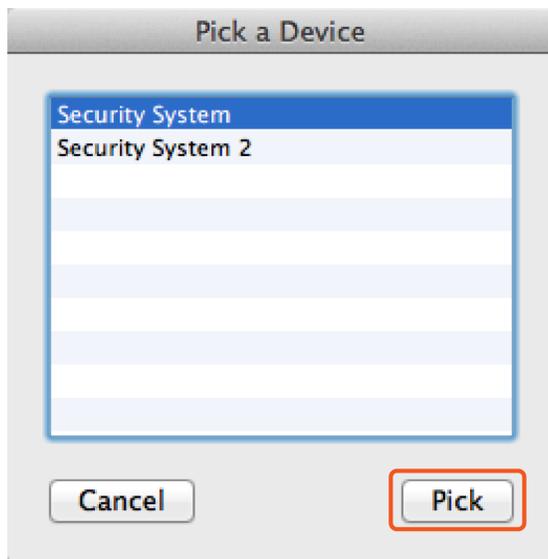


- When manually initiating the Auto Setup from the **Tools > Settings** selection in the RacePoint Blueprint menu bar, the dialog window that appears is displayed below. Select the **Auto Setup** button to initiate.
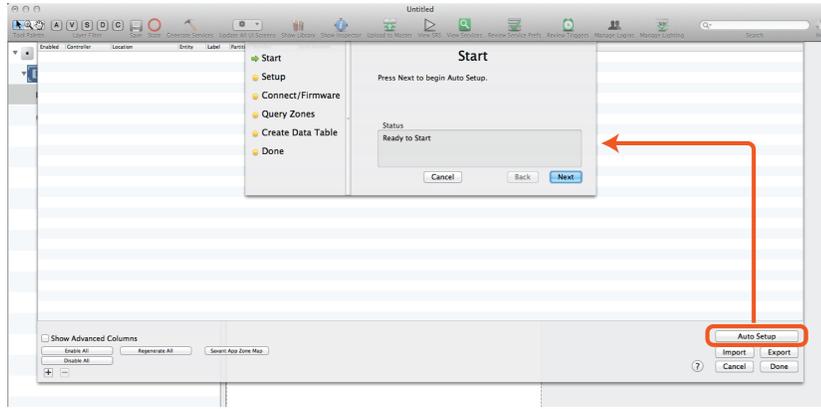
**Supported 3rd party Devices**

The table below displays the list of 3rd party devices that are currently supported.

| Device |
|--------|
| Ademco Vista - 128BP |
| Ademco Vista - 128BPE |
| Ademco Vista - 128BPT |
| Ademco Vista - 128FBP |
| Ademco Vista - 250BP |
| Ademco Vista - 250BPE |
| Ademco Vista - 250BPT |
| Ademco Vista - 250FBP |
| Ademco Vista - 128BPEN |
| Ademco Vista - 128SIA |
| Ademco Vista - 128SIAE |

**Other Information**

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| **Legacy Article Number** | 4725 |
| **Associated Documentation Bug(s)** | |