RacePoint Blueprint Auto Setup Feature - Application Note

Article Information

Full Description

^{ption} RacePoint Blueprint® Auto Setup Feature

Application Note

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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.



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	Θ
	1 1 4	
▼(Control Ports	
	IR(Serial PWM) Output 1	⊡‡⊴
	IR(Serial PWM) Output 2	⊡∔⊴
	IR(Serial PWM) Output 3	⊡ŧ⊴
	IR(Serial PWM) Output 4	□∔⊴
	IR(Serial PWM) Output 5	⊡ŧ⊴
	IR(Serial PWM) Output 6	⊡≢⊴
	RS-232 1 (RTS/CTS)	
	RS-232 2 (RTS/CTS)	
T	Data	
	Ethernet (Ethernet)	

• The Unique ID (UID) must be populated in the Savant ID field of the controller on the network.

00	Inspecting "SSC_0012"
🗹 Edit 📃 📃 Devi	ce Screens Hide Details
S 1.3	
Class:	Savant Extender
Manufacturer:	Savant
Model:	SmartControl 12
Device Name:	SSC_0012
Savant ID:	001AAE00B6DC0020
Notes:	

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.

Want to run Auto Setup? The device you just connected supports Auto Setup. That allows us to connect to the device and query it
for info to fill out the data table for you. You can always go back to the Data Table and rerun this or fill it out manually. Would you like to run this now?
Later

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.

	Start Setup Connect/Firmware	Start Press Next to begin Auto Setup.	
	Query Zones Create Data Table Done	Status Ready to Start	
		Cancel Back Next	
Show Advanced Columns			uto 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

Stop any running systems Auto Setup is being run on the device named "Security System". We will be connecting to the Savant Controller with UID '001AAE0170E40000' on port name "RS-232 1 (RTS/CTS)", through the IP Connection with name "en0". If this is attached to a running host, or RPMTerminal, we ask that you disconnect the host from the network or turn off the system software. Please press OK only after that has been completed.
Connection with name "en0". If this is attached to a running host, or RPMTerminal, we ask that you disconnect the host from the network or turn off the system software. Please press OK only after that has been completed. This process can take anywhere from 1-10 minutes and will overwrite ANY data table entries for this device.
ОК

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.

 Start 	Done					
Setup	Auto Setup complete.					
Connect/Firmware						
Query Zones	•	o				
Query Labels		Honeywell Auto Se	tup Creating Data	Table		
Create Data Table						
🔿 Done		Can	cel	Back	Done	

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	٥	Partition 2	\$	Partition	٥	Partition 2	2			
	Security System	٢	Partition 3	\$	Partition	٢	Partition 3	3			
	Security System	٥	Partition 1	÷	Partition	٢	Partition 1	1			
	Security System	٢	Foyer	\$	Zone	٢	Front Door		1		
	Security System	٢	Family Room	÷	Zone	٢	Patio Door		2		
	Security System	٥	Master Bedroom	ŧ	Zone	٢	Balcony		3		
	Security System	٢	Dining Room	÷	Zone	٢	Back Door		4		
	Security System	٥	Kitchen	\$	Zone	٢	Kitchen Door		5		
	Security System	٢	Office	÷	Zone	٢	Office Entrance		6		
	Security System	٢	Wine Cellar	\$	Zone	٢	Entrance		7		
	Security System	٢	Garage	÷	Zone	٢	Garage Door		8		
	Security System	٢	Guest House	\$	Zone	٢	Front Door		9		
Sho	w Advanced Colum	nns		_							Auto Setup
	Enable All		Regenerate All		Savant App Zone Map	ר					Import Export
	Disable All			C		•					
+	-									(?)	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.

	Unable to connect to Embedded Controller
	After 150 seconds we have still been unable to connect to the embedded controller. We are therefore stopping this setup and ask that you check your network connections and make sure you selected the correct Savant controller.
	Quit
dd IIID to acce	ss Auto Satun is displayed in the data table if there is no

• 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.

Add UID to access Auto Setup	Auto	Setup
	Import	Export
(?)	Cancel	Done

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

● ● ●	Message Log	
Print Clear		() Help
2014-10-28 16:12:33 - to. Go to Tools->Setti	 Auto Setup is supported by device "Security System", but no UID was found on t gs->Security Systems or reconnect wire, once UID is in place. 	he controller you connected it

• 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.

Pick a Devic	e
Security System	
Security System 2	
Cancel	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.

⇒ Start	Start	
 Setup Connect/Firmware Query Zones 	Press Next to begin Auto Setup.	
 Create Data Table Done 	Status Ready to Start	
	Cancel Back Next	
		Auto Setup

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

Legacy Article Number 4725

Associated Documentation Bug(s)