



Savant® SmartControl 3 - Wi-Fi Smart Controller with 3 IR and RF (SSC-W1031-00)

Quick Reference Guide

Box Contents

- (1) SmartControl 3 Controller (SSC-W1031-xx)
- (1) Installation Kit (075-0174-xx)
 - (1) Mounting Plate (074-0569-xx)
 - (1) 6-pin Screw Down Plug-in Connector (028-9352-xx)
 - (1) 5V DC 1.2A Power Supply (025-0165-xx)
 - (1) Cable Tie (014-0071-xx)
- (1) Quick Reference Guide (this document)

Specifications

Environmental	
Temperature	32° to 104° F (0° to 40° C)
Humidity	10% to 90% Relative Humidity (non-condensing)
Dimensions and Weight	
Height	0.64 in (16.2 mm)
Width	2.7 in (68.5 mm)
Depth	2.67 in (67.8 mm)
Weight	Net: 0.25 lb (0.11 kg) Shipping: 1.50 lb (0.68 kg)
Power	
Input Power	5V DC 1.2A
Max Power	6 watts
Standards	
Wireless	Wi-Fi (802.11 b/g/n 2.4 GHz) ⚠️ IMPORTANT! 802.11r (fast roaming) is not supported.
Security	WPA™, WPA2™, WPA/WPA2™, WEP
Regulatory	
Safety and Emissions	FCC Part 15 CE C-Tick
Contains FCC ID:	TLZ-CU277
Contains ID:	6100A-CU277
RoHS	Compliant
Minimum Supported Release	
Savant OS:	da Vinci 8.8

Network Requirements

Savant requires the use of a wireless network that is configured to make use of at least one of the supported wireless Standards listed in the Specifications Table.

Connect all Savant devices to the same local area network (LAN) or subnet as the Host. Savant recommends not implementing any type of traffic or packet shaping in your network topology for the Savant devices as this may interfere with performance.

Network Configuration

To ensure that the IP Address will not change due to a power outage, a static IP Address or DHCP reservation should be configured. Savant recommends using DHCP reservation within the router. By using this method, static IP Addresses for all devices can be managed from a single UI avoiding the need to access devices individually.

Setting DHCP reservation varies from router to router. Refer to the documentation for the router to configure DHCP reservation.

Front Panel



Press will place the device in remote pairing mode, this will turn the Status LED red.

(A) Press and hold for five seconds while powered on to clear the network settings. The Status LED blinks rapidly when reset is complete.

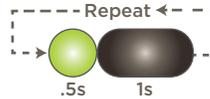
Off: No Power



Green: Provisioned to the local network and communicating with the Savant Pro System Host.



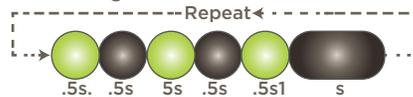
Blink Green Once: In Provisioning Mode. Ready to be added to the local network.



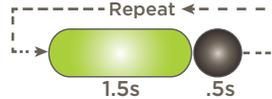
Blink Green Twice: Establishing connection with the local network.



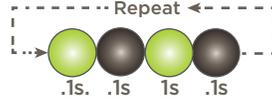
(B) Blink Green Three Times: Connected to the local network. Is connecting to the Host.



Short Off Green Blink: Firmware is updating.



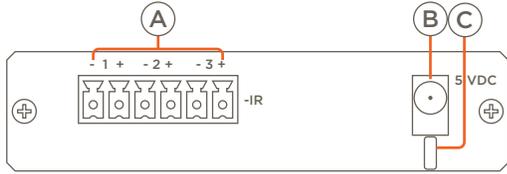
Rapid Green Blink: The reset button was held down for at least five seconds and the SSC-W1031 is performing a factory reset. After reset, all network settings are cleared and the factory defaults are set.



Red: RF scan mode. This is used to bind a Savant Button Remote.



Rear Panel



A IR

Used to send IR signals to control devices with an IR input or IR receiver via an IR flasher (5V tolerant only).
Before making connections, see the IR Wiring section below for important precautions regarding IR functionality.

B Input Power 5V DC 1.2A - Connect to included power supply.

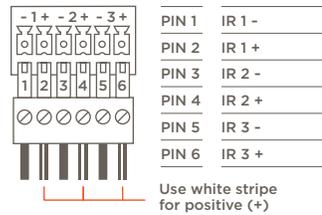
C Cable Lance Use with included cable tie to secure power supply connection.

IR Wiring

IR connections are made using the 6-pin screw down plug-in type connector included with each SSC-W1031 controller. This connector plugs into the connection on the rear of the controller.

! IMPORTANT! IR Wiring Precautions

- Ensure all IR emitters are within 15 feet (4.6 meters) from the controller's location.
- Use of 3rd party flashing IR emitters with Talk Back is not recommended. These types of emitters can draw voltage away from the IR signal that can degrade IR performance.



Making Connections

1. Remove Power if power is applied.
2. Pull to remove the terminal block from the rear of the controller.
3. With a small flat bladed screwdriver, turn the screws on the top of connector counterclockwise until the silver crimps in the front of the connector opens enough to slide the wire(s) into the square slots.
4. Insert the stripped wires from the first IR input or output device into ports 1 and 2 observing the correct signals. Do not allow more than 1/2 inch of bare wire exposed.
5. Turn the screws clockwise until the screw tightens around the wire. Tug on the wire a bit to verify the wires are installed securely.
6. Continue until all wires are installed.
7. Repeat steps 3 - 5 for any additional IR devices.
8. Plug terminal block back into the rear of the controller.
9. Reapply power.

Connecting to a Wireless Network

To provision the SSC-W1031 controller onto a local network, one of the following methods can be used:

- SmartConnect Application - version 1.7 or later.
- Embedded Web UI - All da Vinci builds.

Both methods are described in the SmartControl 3 -Deployment Guide.

Additional Documentation

Additional Documentation is available on the **Savant Customer Community**.

- SmartControl 3 (SSC-W1031) Deployment Guide (009-0274-xx)
- SmartConnect Software Reference Guide (009-1046-xx)
- Videos on the Savant Controllers Family in the pages of the Savant University.

Regulatory

The following statements are applicable to the SSC-W1031.

FCC Regulations:

15.19. These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) these devices must accept any interference received, including interferences that may cause undesired operation.

15.21. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105. This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving circuit different from that to which receiver is connected.
- Increase the separation between the equipment and the receiver.
- Consult the dealer or experienced radio/TV technician for help.

IC Regulations:

RSS-Gen 7.1.3. These devices comply with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) These devices may not cause interference, and (2) These devices must accept any interference, including interference that may cause undesired operation of the device.

RSS-21- Annexe 9: A 9.4. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.