

SR3 Bluetooth and Proximity Reader

Quick Start Guide

SR3 Bluetooth and Proximity Readers support Mobile Credentials and 125 kHz proximity credentials. The reader comes with two mounting options, mullion or single-gang, and is suitable for indoor or outdoor use. The SR3 uses the Wiegand reader protocol to communicate with door controllers or access control modules.



Procedure

The installation must follow this procedure:

Step 1 (Technician): Install the reader.

Step 2 (Technician): Enroll and associate the reader with a system in Tech APP.

Step 3 (Administrator): Purchase credentials for a customer in Dealer Admin.

Step 4 (Customer): Assign credentials to a user in Virtual Keypad.

Step 5 (End User): Bind a mobile credential to a user's device in Virtual Keypad.

Step 6 (End User): Use the credential at the SR3 Bluetooth Reader.

This quick start guide walks you through Step 1 and Step 2. For the full installation guide, follow the QR code below.



Full Installation Guide

To view the full [SR3 Installation Guide \(LT-2505\)](#), scan this QR code or visit [DMP.com](#).

Wire the Reader



WARNING: Do not press and hold the button on the back of the reader. This procedure clears the unit's memory and firmware, which renders the device inoperable until it is reconfigured and re-enrolled.

Disconnect power before wiring the reader. After wiring and reconnecting power, the LED turns steady yellow, indicating that the reader is ready for enrollment. Follow these guidelines when wiring the reader: Connections must be made in accordance with NFPA 70: Do not connect to a receptacle controlled by a switch. Minimum wire gauge is 24 AWG with a maximum single wire run length of 500 ft (150 m).



Caution: Do not cut the braided directional antenna wire. Wrap it around and secure it to the wiring harness for future use.

WIRE COLOR	PURPOSE	TYPICAL X1 SERIES TERMINALS	TYPICAL 734 SERIES TERMINALS	TYPICAL KEYPAD WIRES
Red	Power (Positive)	R1	RED	Red
Black	Ground (Negative)	B1	BLK	Black
White	Data 1	W1	WHT	White
Green	Data 0	G1	GRN	Green/White
Blue	Green LED	LC	LC	None
Orange	Beeper* (optional)	BC	RA	None
Purple	Red LED (optional)	None	None	None
Yellow	Smart Card Present (optional)	None	None	None
Copper, braided - Do not cut	Directional Antenna (optional)	None - Do Not Cut	None - Do Not Cut	None - Do Not Cut

* If connected, the orange wire (beeper) mimics keypad beeping.

Table 1: Wire Connections

Enroll & Associate the Reader in Tech APP

A technician on site must associate each reader with a system before mobile credentials can be purchased in Dealer Admin by an Administrator.

 **Note:** For XR Series panels with 734 Series Access Control Modules, ensure **Program 734 Options** is turned on and **Card Options** is set to **Custom** in **Device Setup** before proceeding.

1. Stand at the reader and ensure your device has Bluetooth turned on.
2. Open Tech APP, then find and open the appropriate system.
3. Tap the **Bluetooth Readers** tile.
4. Tap **+ Add**. Name the reader, then tap **Create**.
5. When prompted, touch your device to the reader. When paired successfully, the reader beeps.
6. In Tech APP, open the reader you added. Use the slider to adjust the **Reader Range** closer or farther as needed. Range is 3 in to 30 ft (7.62 cm to 9.14 m).
7. To update the reader's firmware, go to **Firmware** and tap **Update**. If no new firmware is available, this button is not displayed.
8. Tap **Save**.

After being enrolled and associated, the reader's LED changes from steady yellow to steady white.

LED Operation

LED COLOR	LED BEHAVIOR	MEANING
None	None	No power or LED not connected
Yellow	Spinning	Powering on
Yellow	Steady	Connected to power, ready for enrollment
White	Steady	Enrolled, waiting for credential
Blue	Spinning	Searching for credential
Green	Flash	Access Granted

Mobile Device and Software Requirements

- ▶ The SR3 uses BLE Version 4.2 or higher
- ▶ Android devices with Version 8.0 (Oreo) or higher and Bluetooth enabled
- ▶ iOS devices with Version 10.0 or higher and Bluetooth enabled
- ▶ Tech APP (Version 2.15.0 or higher) and Virtual Keypad (Version 6.35.0 or higher)
- ▶ Compatible with Mobile Credentials and 125 kHz proximity credentials

Specifications

Operating Voltage	12 VDC
Current Draw	100 mA typical at 12 VDC 135 to 155 mA max at 12 VDC
Read Range	Adjustable, range 3.0 in to 30 ft (7.62 cm to 9.14 m)
Operating Temperature	-27 °F to 151 °F (-33 °C to 66 °C)
Recommended Humidity	85% RH or lower, non-condensing
IP Rating	IP65
Dimensions	6.0" x 1.7" x 1.3" (15.24 cm x 4.32 cm x 3.30 cm)
Weight	0.5 lb (0.23 kg)



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