

## Overview

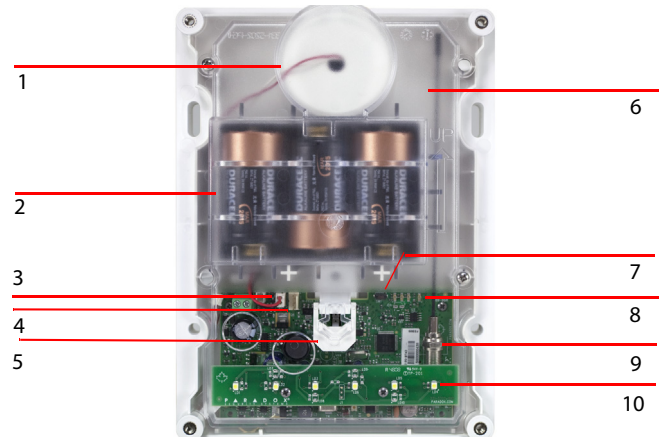


Figure 1: SR150 Overview

Number	Overview Description
1	100 dB siren
2	Battery pack (3 "D" size alkaline batteries) with gold plated battery connections or optional 3.6 Vdc
3	Power supply input (8-16 Vac / 9-20 Vdc)
4	In-field firmware upgrade connector
5	Dual-action tamper switch (detects when cover is removed and when unit is removed from wall)
6	Internal protective plastic cover
7	Test switch
8	LED status indicators and signal strength (See LED Feedback below for details)
9	Antenna (Can be extended using an RG6 or RG59 coaxial cable with standard male F connectors. Attach the antenna using a female/female F adaptor)
10	Strobe lights

## Description

The SR150 is a weatherproof, stand-alone, fully supervised outdoor wireless siren with built-in strobe light and wireless transceiver. The SR150 uses 2-way wireless communication, which provides continuous supervision between the panel and siren with fast response to alarm signals within four seconds.

With its tough weatherproof construction, the SR150 operates reliably from -30 °C to 50 °C (-22 °F to 122 °F) when using alkaline batteries or power supply.

With normal use, the SR150 will function up to 3 years without the need to replace the batteries (battery life can be extended by using an optional AC or DC power supply).

This guide describes how to install and configure the SR150 wireless siren.

### Included Items

- 1 strobe lens (available in red, blue, amber, or clear)
- 3 "D" type alkaline batteries

### Required/Optional Items

- Mounting hardware
- 8-16 Vac, or 9-20 Vdc external power supply (optional)

### Compatibility

- EVOHD V1.20 or higher
- EVO192 V3.20 or higher
- MG5000 / MG5050 / SP Series V4.0 (except SP4000)
- MG5075
- MG6250 V3.0 or higher
- RTX3 V1.5 or higher / V5.30 for EVO panels
- BabyWare V2.8 or higher / V2.30 for EVO panels

## Features

- Internal protective plastic cover
- Built-in transceiver
- 100 dB wireless siren
- Integrated strobe light
- Weather-resistant design using a PC/ABS enclosure with UV protection
- Fast alarm response time (4 seconds)
- 2.5 hour alarm display (strobe flashes every 4 seconds after bell cut-off)
- Siren presence supervised by control panel
- Dual tamper protection for cover removal and removal from wall
- Assign up to 4 sirens per control panel
- Firmware upgrade via 307USB
- Siren test mode

## LED Feedback



Figure 2: LED Status Indicators

The following table describes LED Status Indicators.

LED Indicator	Description/Status
TX	Sending data
RX	Receiving data
PSSI	Signal strength siren receives from control panel Flash 4x - strong signal Flash 3x - good signal Flash 2x - weak signal Flash 1x - very weak signal (relocate) No flash - no signal
Status	Flash once/sec. - processor is on Flash once/4 sec. - power save mode

# Programming

Program the SR150 either through a supported keypad or through BabyWare software (BabyWare).

## Programming with Keypads

Feature	Program		
	MG6250	MG/SP	EVO192/HD
	Sections correspond to sirens 1- 4. EXAMPLE: [0802]: Learn Siren 2 for MG6250		Sections correspond to sirens 1 - 8
<b>Learn Siren</b>	[0801] - [0804]	[683] - [686]	[2851] - [2858]
	Press and hold the <b>Reset/Training</b> switch for 3 seconds after entering the section to learn the siren. <b>WARNING:</b> When pressing the Reset/Training switch, the SR150 squawks and the strobe light flashes five times to confirm siren registration to the panel		
<b>Assign Partition to Siren</b>	-	-	[2861] - [2868]
<b>Display Signal Strength</b>	[0801] - [0804]	[687] - [690]	[2871] - [2878]
	Press and hold the <b>Reset/Training</b> switch for 3 seconds after entering the section to display the siren signal strength that the panel receives. Requires keypad K32LCD+ V1.3 or higher		
<b>Label Siren</b>	[0811] - [0814]	[691] - [694]	-
	Labels identify sirens when reporting events (for MG/SP only: via e-mail through the IP150+. For MG6250 through SMS personal reporting) and for troubleshooting purposes. Maximum 16 characters		
<b>Temporary Tamper Switch Deactivation for Maintenance</b>	[0800]	[695]	[2870]
	Press <b>[ENTER]</b> after entering the section to deactivate tamper alarm until the cover is reinstalled or after 30 minutes		
<b>Panel Supervision of Siren</b>	[0820]	[587]	-
	<b>ON:</b> Enabled (default) <b>OFF:</b> Disabled		
	The control panel supervises the presence of the SR150. If lost, the control panel follows global supervision options set in the control panel		

## Programming with BabyWare

1. Open BabyWare > Connect your Account.
2. In the Main window: Select the **Add Item** button > **Wireless Sirens**.
3. Fill-in the SR150 label, location and serial number.
4. Select **Save**.

# Upgrading Firmware

Upgrade SR150 firmware through the Paradox In-Field software (V3.0 or higher) using the 307USB Direct Connect Interface. The SR150 requires the batteries installed in order to upgrade the firmware.

**Note:** Ensure that the SR150 is awake before upgrading the firmware.  
**To wake up the siren:** press the Test button (see connector #7 in **Figure 1**). The siren provides a 60 second delay in order to begin the update.

1. Remove the front cover.
2. Connect the 307USB to the In-Field connector (see connector #4 in **Figure 1**).
3. Upgrade according to the firmware upgrade instructions: Go to [www.paradox.com](http://www.paradox.com) > Software > In-Field Firmware Upgrade Instructions.

## Tamper Supervision

If a tamper is detected, the SR150 will sound an alarm and the strobe light will flash for 4 minutes. The control panel will follow the global supervision options set in the panel.

## Specifications

Specification	Description
Power	4.5 Vdc (3 "D" size alkaline batteries) Optional: 8-16 Vac / 9-20 Vdc external power
Battery life	Up to 3 years based on normal use (e.g. 2 alarms per year with strobe for 2.5 hours and 8 squawks per day at an average of 25 °C (77 °F)). Using optional power source will extend battery life
Consumption	Sleep: 22 uA, Standby: 130 uA, Alarm: 550 mA
RF frequency	433 MHz or 868 MHz
Siren	100 dB (1 meter)
Dimensions	24 x 6 x 18 cm (9.5 x 2.3 x 7 in.)
Operating Temperature	Battery only: -30 °C to 50 °C (-22 °F to 122 °F)
RF range	70m (229 ft)

## Certifications

CE EN 50131-4 Grade 2 EN 50130-5 Class IV

## Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement found on the Statement. Your use of the Paradox product signifies your acceptance of all warranty terms and conditions. Please ensure that your use of the Paradox product is in compliance with local, national, and international laws.

© 2020 Paradox Security Systems (Bahamas) Ltd. All rights reserved. Specifications may change without prior notice. US, Canadian and international patents may apply. BabyWare and Paradox are a trademarks or registered trademarks of Paradox Security Systems (Bahamas) Ltd. or its affiliates in Canada, the United States and/or other countries.

