SCORPION®
AUTOMOTIVE

S50 & S50/L
USER GUIDE

REVISION 3 | 11.24

SCORPION® AUTOMOTIVE

Thatcham Research SECURITY CERTIFIED

MADE IN BRITAIN

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WELCOME

Your vehicle is now secured with the Scorpion S50 // S50/L alarm.

Please read the following instructions carefully and familiarise yourself with the alarm system features and operating procedures.

USER MANUAL

1.0 SYSTEM DESCRIPTION

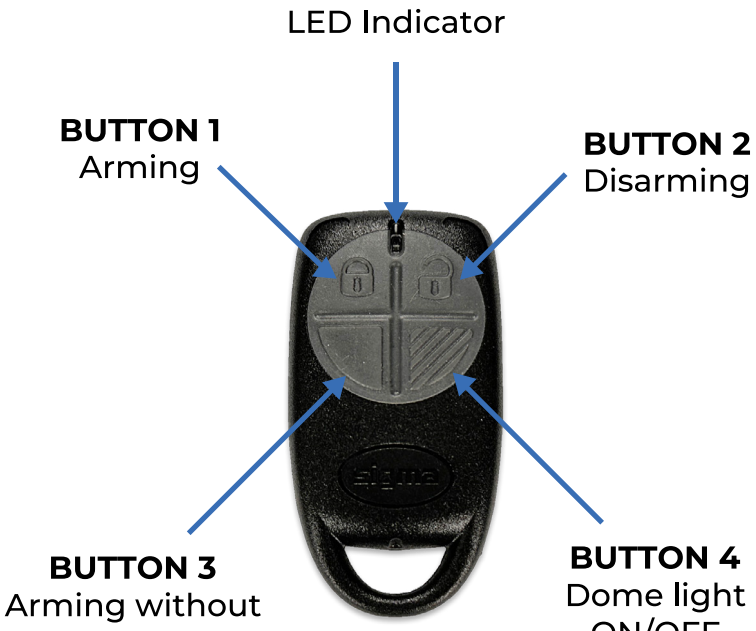
This alarm system will ensure your vehicle is protected by means of the following security features:

- **Built-in triaxial tilt/motion sensor:** When the system is armed, the motion sensor triggers an alarm whenever it detects that the vehicle is being moved or lifted.
- **Negative trigger switch (optional):** A switch installed to protect the vehicle doors (negative trigger input). Opening the vehicle doors will trigger the alarm.
- **Wireless sensors (optional):** Window opening detector, door magnetic contact, volumetric or PIR detectors.

1.1 REMOTE CONTROLS

The alarm is supplied with 2 4-button remote controls (SIG848)

The SIG848 remote control has a low battery charge indicator that gives you early warning to avoid malfunctioning. When the batteries are fully charged, the indicator LED will show a steady light at the press of a button. If the batteries are low, the LED will start blinking rapidly when the button is pressed.



SIG848

1.2 SYSTEM ARMING

The alarm unit can be armed by pressing the alarming button on either remote control. Two high-pitched beeps will confirm the operation and dome light will turn ON for approximately 30 seconds. The system has a 30 second arming delay which allows you to exit the vehicle without triggering an alarm. After the alarming delay, the system is fully armed.

1.3 SYSTEM DISARMING

To disarm the system, press the disarming button on either remote control. Three high-pitched beeps will confirm disarming and the dome light will turn ON for approximately 30 seconds.

1.4 SYSTEM ARMING WITHOUT SENSORS

The system can be armed without enabling the wireless volumetric sensors. To do so, press button 3 on either remote control to arm the system. One high-pitched beep will confirm the system is armed with the sensors excluded.

Please note: Sensor exclusion is bound to a single arming cycle. Sensors will automatically be enabled the next time the alarm is armed.

1.5 TILT SENSOR EXCLUSION

To temporarily exclude the TILT sensor, proceed as follows:

1. Arm the alarm system by pressing remote control button 1 (full arming) or button 3 (partial arming – armed with volumetric sensors override).
2. Within 4 seconds, press button 3: TILT sensor exclusion will be confirmed by 1 beep.

NB: TILT sensor will remain excluded for the one arming cycle; it will be automatically resorted at the next arming.

1.6 TILT SENSOR ADJUSTMENT

The TILT sensor sensitivity level is factory set to trigger an alarm if the vehicle is tilted at an angle of approximately 3.5° with respect to the X, Y and Z-axis.

Sensor sensitivity can be custom adjusted as follows:

1. Disarm the alarm system.
2. Simultaneously press (twice in a row) remote control buttons 1 and 2:2 BOPs will confirm the system is in 'Adjustment Mode' (every time you enter 'Adjustment Mode', the sensitivity level will automatically be restored to the 3.5° default setting).
3. Press button 2 once to increase the tilt angle to 7°: operation will be confirmed by 1 beep.
4. Press button 2 again to increase the tilt angle to 10.5°: operation will be confirmed by 1 beep.
5. Press button 2 once more to increase the tilt angle to 14°: operation will be confirmed by 1 beep.

To exit the adjustment procedure and confirm the selected tilt angle, simultaneously press remote control buttons 1 and 2 after having performed the above adjustment steps 2), 3) or 4).

The system will automatically exit the adjustment mode after step 5); 1 BOP will confirm the end of the procedure.

1.7 DOME LIGHT

Arming/disarming the alarm unit will activate the dome light output for up to 30 seconds. This function can be used to turn ON a lamp to illuminate the vehicle access door. The 4-button remote control can be used to turn the lamp ON/OFF. The light will turn OFF automatically after a time-out of 5 minutes.

1.8 ALARMS

Alarm events will sound for a maximum of 30 seconds. If the alarm remains or if it is not cleared it will trigger another alarm cycle after a 5 second delay (trigger interval).

Each alarm condition will trigger a maximum of 8 alarm cycles. Duration and time of occurrence of alarms are in compliance with the Environmental Protection (Noise) Regulations.

After each cycle, there will be a rest time of 5 seconds before the system is fully operative again.

1.9 ARM TRIGGER MEMORY

If there has been an alarm trigger during your absence, it will be signalled by 5 beeps upon disarming. The last cause of alarm can be identified by the number of beeps as indicated in the table below.

ALARM EVENTS	SIREN CHIRPS
Wireless magnetic contacts or opening detectors	*
Wireless infrared (PIR) sensors or wireless hyper-frequency sensors	**
Negative input alarm	***
Trixial tilt sensor	****

1.10 PAIRING NEW DEVICES

The alarm is supplied with 2 remote controls, but extra optional devices can be added. Pairing new remote controls or new wireless sensors can be done via the LEARN button provided on the alarm harness.

Please note: Alarm memory will store 12 devices, saving an extra device will automatically delete the first one.

Learning procedure:

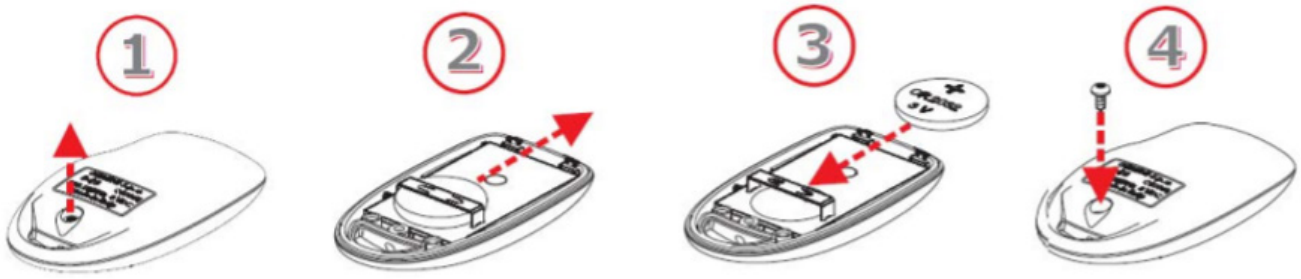
1. Press the LEARN button 5 times in a row within 5 seconds. Each button press will generate 1 beep and 2 final beeps will confirm the system is in LEARN mode.
2. Press one of the remote control buttons or activate the sensor to be learned within 30 seconds, otherwise the system will automatically exit the learned procedure.
3. A siren chirp will confirm the new device has been learned.
4. To exit learn mode, press the LEARN button once.

1.11 BATTERY REPLACEMENT

When the remote-control batteries are too weak, replace them as indicated below:

- Separate the remote control halves, taking care not to damage the internal circuit.
- Remove the remove discharged batteries and insert the new ones taking care not to invert the battery polarity.
- Close the remote halves and make sure the remove works properly by pressing any button. The LED indicator should turn ON.

848/ALG remote control:



Please note: Battery type – CR2032. Different battery types can seriously damage the remote control. Discard used batteries properly in special dedicated containers.

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