RED SHIELD OUTDOOR BELL BOX
INSTALLATION AND OPERATING INSTRUCTIONS

For use with Red Shield Wire-free Home Protection System

Keep this manual safe for reference and future maintenance

1. Introduction
The Red Shield Outdoor Bell Box:
- It is designed to be fitted to the front of the property in a highly visible position, providing a permanent visual deterrent to intruders. If the Wire-free Home Protection System Smart Panel is triggered the siren will sound and the strobe light will flash.
- It has a typical battery life of 2 years or more before they need changing.
- It is tamper protected. Any unauthorized tampering with the bell box will result in an alarm. This feature can be turned off by the user when a battery change is required.
- It's alarm duration is adjustable. The user may choose the alarm to sound from 1 to 10 minutes when it triggered.

2. Location
Work out the best places to locate the bell box for maximum protection. Having chosen the locations do not mount at this stage.
The bell box should be placed:
- on the outside of the property and within range of the RedShield Wire-free Home Alarm Smart Panel (Please test before proceeding with installation)
- away from extreme temperature sources (radiators, ovens, stoves etc) and large metal objects that could interference with wireless performance

3. Installation
The easiest way to get to know the system and get it up and running quickly is to get all the devices and accessories programmed on a table top before locating and mounting them.You will need following devices to complete the set up:


Smart Panel
(This is not included in this kit)

Key fob remote control
(This is not included in this kit)

Bell Box

(Smart Panel & Key fob remote do not come with this kit. You may contact the local distributor to purchase the full security kit.)

3.1 First time install:
a. Remove the bell box cover by unscrewing the single screw located on the lid.
b. Insert 4 x fresh alkaline 'D' cells, noting their polarity.
c. Set the house security code same as the Smart Panel by moving the "house security code programming" switches (refer to "House Security Code Settings section")
d. Set the alarm duration between options 1 / 3 / 5 / 10 minutes by moving the "alarm duration programming" switches. (At least choose 1 option)
e. Turn the power switch to ON, all blue lights will ON indicating the tamper protection is disabled.
f. Press the learn button to enrol the remote of Wire-free Home Protection System into the bell box.
g. Completing the remote's enrollment by pressing 🔓 button on the remote of Wire-free Home Protection System. The bell box beeps and flashes once enrollment successeded.
h. Press the learn button to complete the enrollment.
i. The bell box is now ready for mounting. Do not replace the cover yet.

BATTERY COMPARTMENT
4 X D CELLS

4xFixing Screws

Power button

Learn button

House security code programming switch

Alarm duration programming switch

DC Power jack

Tamper switch

Tamper switch
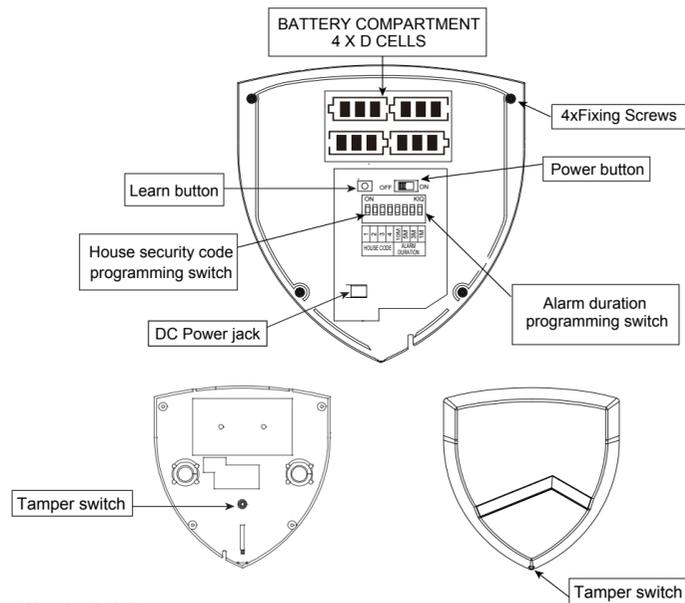
3.2 Mounting the bell box
Before mounting the bell box ensure that the tamper protection is disabled as described below.

a. All blue LED lights are ON. If not, you will need to disable the tamper protection using the remote of Wire-Free Home Protection System. Press 🔒 + 🔓 buttons at the same time for 2 seconds.
The tamper protection is now disabled for 1 hour.
If more time is required, simply repeat the above step.

b. Ensure the tamper switch is fully depressed when the siren is mounted. If there is a gap, pack with a suitable spacing material.

> **Important! Before mounting it is important to disable the tamper protection to avoid the bell box sounding an alarm.**

Spring compressed firmly against wall

Bottom of the Bell box

Wall

Spring Guide

Enter/Exit change battery mode

WS201TX Key fob remote
(It is either included in the WS100 security kit or you may purchase extra separately)
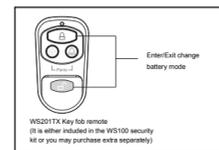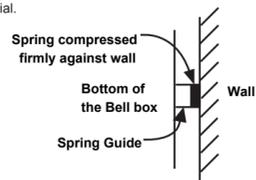
c. Using the large screws and wall plugs provided, mount on the desired wall through the mounting holes.
d. Fix the bell box cover with the securing screw.

4. Operating the bell box
a. Press the 🔒 + 🔓 button at the same time for 2 seconds to exit change battery mode and to activate the

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bell box (All blue light will OFF and the Red light will start blinking slowly). Your bell box is now activated.
b. The bell box will now sound within 3 seconds when it receives a wireless signal from the Home Protection System Smart Panel.
c. The Bell Box can be tested by triggering the Wire-free Home Protection System but be prepared to immediately disarm the system when you have verified the Bell Box is operating correctly in order to avoid disturbing neighbors. When the bell box is triggered, you can only turn off the bell box by disarming the Home Protection System Smart Panel. To trigger the Home Protection System, you can press the PANIC button on the remote or on the keypad of Smart Panel.
d. If the Bell Box fails to alarm, check the following:
   - House Security Settings are the same as for the Wire-free Home Protection System Smart Panel.
   - The Bell Box has been exited from the battery change mode.
   - The Bell Box is in a location where it can receive a good signal from the Wire-free Home Protection System Smart Panel.
e. When the Bell Box is activated, removing the Bell Box from the wall surface will triggered the Bell Box siren immediately.
f. When the battery is running low and needs replacement, the LED indication on the bell box will blink once every second. In this case follow the battery replacement procedure as described in Section 5.

5. Changing the batteries
Always use alkaline batteries or the correct type of coin cells as replacements because any other battery can cause problems with the operation of the bell box. Typical life of batteries is two years.

Ensure the correct steps are taken when changing batteries:
a. Switch off the tamper protection as described in section 3.2.
b. Remove the bell box cover and switch off the bell box power.
c. Remove the used batteries and replace them with 4 x fresh alkaline 'D' cells.
   Alternatively, there is AC power work as a power back up for the bell box.
   The AC adaptor is not included. It is an optional part. You may contact the local distributor to purchase the AC adaptor separately.   You may plug the AC adaptor into the bell box's DC power jack (Fig. below)
d. Switch on the bell box power and check that the bell box beeps and flashes.
e. Fix the bell box cover with the securing screw.
f. Press the 🔒 + 🔓 button at the same time for 2 seconds to exit change battery mode and to activate the bell box (All blue light will OFF and the Red light will start blinking slowly). Your bell box is now activated.

Cable Guide
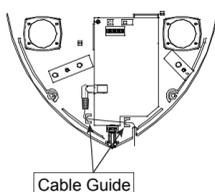
6. House Security Code Settings
Unless the factory settings of the Wire-free Home Protection System Smart Panel have been altered, the House Security Code will NOT need to be changed.
However, if the settings on the Smart Panel have been altered, or need to be altered to solve the problem of the Smart Panel and sensors activating intermittently (or not working at all) or interference with other systems, then the House Security Code on all system modules (sensors, bell box and all devices) will also need to be changed.
House Security Code settings can be altered as follows:
   -There are 4 jumpers or dip-switches on each device.
   -Remove the [jumper compartment cover], then pull out or plug the jumper into the contacts to change the House Security Code.
   -If a jumper is plugged in it is ON if it is removed it is OFF. Default code is with all the jumpers plugged.
   -To ensure the system works correctly, make sure the jumpers on the Smart Panel and all other system modules (sensors, bell box and all devices) match exactly.

Jumpers for house security code	ON DIP 4 3 2 1	- Smart Panel
		- Each device
		  Default house code:
		  1: ON, 2: ON, 3: ON, 4: ON
		*Jumper: ON = Plugged, OFF = Pull Out

Dip-Switches for house security code	ON 1 2 3 4	- Key Fob Remote Default house code: 1: ON, 2: ON, 3: ON,4: ON

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7. Lost of Key Fob Remote
In case you lost the Key Fob Remote of the Smart Panel, follow below step to delete the remote from the bell box.
WARNING!
The siren is very loud, be prepared! Wear protective ear plugs and take care.
   - You are not able to disable the tamper protection without the Key Fob Remote that you lost.
   - You can only open the cover of bell box during the siren.
   - Press & hold the LEARN button for 5 seconds to reset the bell box. All blue lights will ON indicating the tamper protection is disabled. Your bell box is now reset.
   - Press the LEARN button once to enroll the new Key Fob Remote.
   - Completing the remote's enrollment by pressing 🔓 buttons on the remote of Wire-free Home Protection System. The bell box beeps and flashes once enrollment successeded.
   - Press the learn button to complete the enrollment.
   - Fix the bell box cover with the securing screw.
   - Press the 🔒 + 🔓 button at the same time for 2 seconds to exit change battery mode and to activate the bell box (All blue light will OFF and the Red light will start blinking slowly). Your bell box is now activated.

8. Maintenance
The product may be cleaned with a soft damp cloth and then wiped dry. Do not use abrasive, solvent based or aerosol cleaners as this may damage and/or discolour the product. Do not allow water to enter or attempt to clean inside the unit.

9. Batteries
Do not allow the batteries to corrode or leak as this may cause permanent damage to the product. Take care to insert the batteries with the correct polarity as shown inside the battery compartments. Do not mix new and old batteries or different types of batteries. Do not use rechargeable batteries. At the end of their useful life the batteries should be disposed of via a suitable recycling centre. Do not dispose of with your normal household waste. DO NOT BURN.

10. Alarm System Limitations
Even the most advanced alarm systems cannot guarantee 100% protection against burglary or environmental problems. All alarm systems are subject to possible compromise or failure-to-warn for a variety of reasons.
Please note that you may encounter problems with your system if:
   - The sensors are not placed within hearing range of persons sleeping or remote parts of the premises.
   - The sensors are placed behind doors or other obstacles.
   - Intruders gain access through unprotected points of entry (where sensors are not located).
   - Intruders have the technical means of bypassing, jamming, or disconnecting all or part of the system.
   - The power to then sensors is inadequate or disconnected.
   - The sensors are not located in proper environmental/temperature conditions i.e. too close to a heat source.

> Note: Inadequate maintenance is the most common cause of alarm failure; therefore, test your system at least once per week to be sure the sensors, sirens and devices are working properly.   Although having an alarm system may make you eligible for reduced insurance premiums, the system is no substitute for insurance.