



# Motorcycle anti-theft systems

Cobra Spyball 6800 platform

**Vodafone**  
Power to you

Vodafone Automotive's latest motorcycle security platform provides enhanced anti-theft protection and comfort thanks to a number of new features that will make it the ideal choice for demanding users.

Cobra Spyball's patented movement sensor is still the core of the system, with important structural and functional improvements that allow for a wider range of adjustment and detection.

The transmitter can be used as a conventional remote control or in "Biker Recognition" mode. The system activates automatically as the biker walks away from the parked vehicle with the transmitter in his or her pocket. It then deactivates as the biker comes back within the range of the integrated receiver. The anti-hijack function causes the alarm to sound and the indicators to flash uninterruptedly if the biker is forced to leave his or her motorcycle with the key in. Once the ignition is turned off, the vehicle is immobilised permanently. The platform features great flexibility of use, and these and other functions can be selected or deselected by the biker following simple, user-friendly procedures.

## Description

A compact motorcycle anti-theft alarm and engine immobiliser, featuring arming and disarming via an anti-scan anti-grab remote control. Suits any model of powered two-wheeler that has a 12V battery.



## Benefits

- Small dimensions, for easy siting on any model of powered two-wheeler.
- Water resistant and vibration-proof.
- Low current consumption.

## Key features

- Dual engine immobilisation ensures protection against unauthorised use of the motorcycle or scooter.
- Audible and visual alarm signal is triggered when a theft attempt is detected by the built-in Cobra Spyball movement sensor, the peripheral protection circuit or the ignition lock tamper protection circuit.
- Rechargeable NiMH backup battery allows the system to operate in the event that the power supply is cut.
- Anti-hijack and "panic" functions.

## Kit components

- Alarm control unit with integrated movement sensor.
- Two push-button remote controls (part number 8742), 433.92MHz.
- Fitting accessories.
- Universal or model-specific wiring harness (sold separately).

## System arming and disarming

- Arming and disarming performed via anti-scan anti-grab remote control with “Biker Recognition” function (selectable mode).
- The transmitter can be used as a conventional remote control. Alternatively, arming and disarming can take place automatically when the biker walks away from or returns to the protected motorcycle.
- Emergency disarming: In the event of loss or failure of the radio remote control, the system can be deactivated by entering a (customisable) PIN.

## Protection functions

- **Double engine immobilisation:** Once the system is armed, starting becomes impossible.
- **Selectable (positive or negative) instantaneous alarm trigger input:** For protection of seat, storage compartment or topcase via (optional) contact switches.
- **Ignition lock tamper protection:** Triggers the alarm if ignition is turned on while the system is armed.
- **Movement sensor:** Triggers the alarm in the event of lifting, towing, forcing the steering lock. It can be adjusted to eight levels of sensitivity to shock and eight levels of sensitivity to displacement. Movement is monitored over 360°.
- **Temporary deactivation of movement sensing via the remote control:** Prevents false alarms when anti-theft protection is required, but the two-wheeler is subject to movement (for example on a ferry).
- **Rechargeable NIMH backup battery:** In the event that the normal power supply is cut, it allows the system to sound and signal the sabotage.
- **Visual alarm:** Flashing of the turn indicators during the alarm cycle.
- **Panic function:** Enables a visual and audible alarm to be triggered deliberately to deter a threat.
- **Anti-hijack function:** This can be enabled or disabled. The alarm is triggered continuously in the event that the biker is under threat and the vehicle stolen with the engine running; once ignition is turned off, re-starting becomes impossible.
- **Additional alarm output:** For connection of a telematics box.

## Comfort and diagnostic functions

- **Confirmation signals:** Visually (by flashing of the turn indicators) and audibly confirms arming and disarming.
- **Alarm memory and diagnostics:** in the event that the system is triggered, the biker is notified by audible signals upon disarming the system.
- **Function check:** During the inhibition time the protection functions can be tested without generating a full alarm cycle.
- **Audible warning signal «Turn indicator ON»:** The system warns the rider with audible reminder signals after a turn indicator has been flashing for more than 24 seconds.

## Product data

Nominal operating voltage (VDC)	12
Operating voltage range (VDC)	9 to 17
Control unit operating temperature (C)	-20 to +85
Current consumption rate (mA)	
Armed	1
Disarmed	< 1
Sleep	0.4
Control unit dimensions (mm)	90 x 67 x 30
Remote control dimensions (mm)	50 x 37 x 12,5
Siren SPL (dB)	114
Remote control battery	3V CR2032

## Homologations

97/24/EC Chapter 8 Motorcycle EMC Directive

99/5/EC: RTTE Directive

The British insurance industry's criteria for motorcycle security, Issue 1 – Cat. 1.

