

## Cobra 3198 User Instructions

Dear customer,

Congratulations on purchasing this product which has been designed and manufactured to the highest automotive standards utilising the latest technology for total reliability.

The manual is divided into 9 parts:

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Your dealer will be pleased to clarify any queries you may have with the system or its operation.

**The Cobra 3198 alarm system MUST be fitted with a previously installed Category 2 M.I.R.R.C listed immobiliser to obtain Category 1 status for the vehicles security systems.**

**If there is no Category 2 Thatcham listed immobiliser fitted along with associated VSIB installation certificate, Category 1 status cannot be claimed on fitment of alarm**

Existing Immobiliser Make/Model:

Thatcham MIRRC Evaluation No:

**The Cobra 3198 imobiliser system is a Category 2-1 MIRRC Thatcham listed security system. If the installation of this product is modified or altered from the standard specifications, or non compliant accessories are fitted, insurance approval will be invalidated.**



### 1-INTRODUCTION

The anti-intrusion alarm system is operated by a high-security radio control that utilises the latest generation of dynamic code. This new technology offers an extremely high level of protection against any attempt to reproduce the code.

The radio control allows the system to be activated at a distance of 5-10 meters from the vehicle.

Other radio sources may cause interference which can reduce the effective range of the radio controls.

If the system can not be set/unset using the radio control try again close to the vehicle. If they still do not operate check if the radio control is properly synchronized.

If automatic window closing is connected it is recommended you to stay close to the vehicle while the windows are moving to ensure safety and security.

MODEL	HOTWIRE PROTECTION	VOLUMETRIC PROTECTION	PERIMETRIC PROTECTION	CABLE CUT PROTECTION
A3198	●	●	●	●

The system have a protected self-learning feature which allows you to add or replace radio controls. The procedure is described in the fitting instructions.

#### 1.1 - Personal PIN code

Each of the 3000 series has a PIN-CODE that can be used for the emergency override of the system. The PIN-CODE programmed in the factory is 1111. We suggest that you replace this number with another commonly used by you (for ex. cellular phone, credit card, etc...). as it would be easier to remember.



### 2-ADDITIONAL PROTECTIONS

You can increase the protection level of the system with the following additional sensors:

#### **5452 Level monitor module**

When the system is armed, this sensor will detect the vehicle being jacked up to tow it away or steal the wheels.

#### **5462 Hyperfrequency module**

When the system is armed, a microwave emission from the hyperfrequency module hidden in the passenger compartment will ensure the volumetric protection of the vehicle.

For use on convertible vehicles, the volumetric protection will be stable even with the soft top, windows or sunroof left open.

#### **2980 Window lift module**

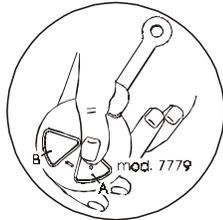
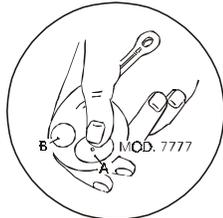
When the radio key "A" button is pressed to arm the system, the car electric windows will raise automatically. It can be fitted to any car with electrical windows.



3-BRIEF INSTRUCTIONS

3.1 -Arming

- Press button 'A' of the radio control to lock the doors (if the vehicle has central locking).
- The turn indicators will blink twice.
- The buzzer will issue two beeps (if activated).
- The protections activate after a 40 s timer has elapsed.
- The LED will come on constantly for 40 s then it will flash.



RADIO CONTROL FUNCTION	Button A	Button B
Arm	•	
Disarm	•	
Siren interrupt	•	
Panic alarm		•
Ultrasonic volumetric sensor and additional sensor exclusion (if installed)		•

3.2 - Protection

When armed the system will generate an acoustic and visual 30 s alarm when the bonnet, boot or one of the doors is opened. System with the volumetric sensor will generate the alarm in case of intrusion. The system remains armed at the end of the cycle.

3.3 - Interrupting an alarm in progress

If the system generates an alarm , the siren can be deactivated by pressing button "A" on the radio control once. The turn indicators will also stop blinking but the alarm system remains armed. Thus, if the system is activated (siren sounding), press the button twice to unlock the vehicle. The first press will stop the siren, the second will disarm the system and unlock the doors.

3.4 - Disarming

- Press button 'A' on the radio control to disarm the system and unlock the doors.
- The turn indicators will blink once.
- The buzzer will beep once (if activated).
- The protection deactivate immediately.
- The LED will go OFF.

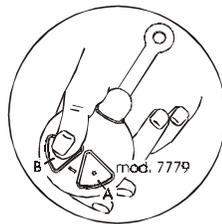
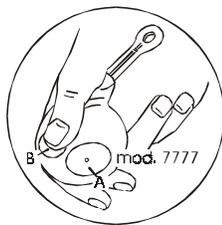
3.5 -Alarm memory

If an alarm has occurred the buzzer and the turn indicators will give four signals instead of one (See page 9).

### 3.6 - Deactivating the volumetric ultrasonic sensor

The volumetric sensor can be deactivated if you want to leave the windows open or if someone remains in the passenger compartment.

- 1) Arm the system pressing button 'A' of the radio control.
- 2) Press button 'B' on the radio control within 40 s.



If hyperfrequency or level monitor sensors are fitted, it is possible to deactivate them by pressing 'B' button twice within 40 s.

To confirm that the signal has been received, there will be an acoustic signal of the buzzer. The sensors have been inhibited; all other functions remain activated.

Sensors will be automatically armed on the next arming of the system.

### 3.7 - Panic alarm

Each time button "B" on the radio key is pressed, except for during the 40 s after the alarm has been armed, an alarm cycle will be generated, the siren will sound and the turn indicators will flash.

Press any button to interrupt the panic alarm.

### 3.8 - Garage function

The 'garage' function allows you to temporarily exclude passive arming and anti-hi-jack functions. This can be useful when you have to take the car for service interval without having to leave the alarm system remote control.

**IMPORTANT:** never leave remote control key and PIN code together with car keys in order to prevent copy of remote key.

Before you leave the car, proceed as follows:

Switch ON the ignition, open a door and keep 'A' button pressed for a minimum of 3 s. During this period the LED will remain ON.

Confirmation of the function activation is given by a single blink of the turn indicators.

This function is automatically deactivated when the system is armed and disarmed by the remote control or the ignition key is switched ON and OFF for 10 times.



## 4 - BASIC FUNCTIONS

### 4.1 - Introduction

As the standard working features of this system can be modified by the installer he should have indicated the differences with the standard factory set-up (black squares) on this manual.

### 4.2 - Controlled windows lift (comfort)

Activated     Deactivated

Keep button 'A' pressed, when arming the alarm, the windows close in a "controlled mode". The windows will stop closing if the button is released.

### 4.3 - Doors/bonnet/boot opened signal

Activated     Deactivated

If the doors, bonnet or boot are opened when you arm the system the turn indicators will blink 5 times instead of 2. The buzzer will do the same, if activated. If they are closed within 40 s there subsequent opening will be signalled again; after the 40 s set up delay there is no further trigger until they are closed and opened again.

### 4.4 - Arm/disarm blinker

Activated     Deactivated

The arming of the system is indicated by 2 blinks of the turn indicators and disarm by 1 blink. If this function is deactivated, the turn indicators will only blink during an alarm trigger.

### 4.5 - Automatic arming

Activated     Deactivated

The unit will automatically arm 2 minutes after the last door has been closed after the engine is switched off, which ever is the sooner.

### 4.6 - Immobiliser automatic arming

Activated     Deactivated

The engine immobilisation will automatically activate 4 minutes after the ignition is switched off. The LED will flash. The engine will be immobilised. Press button 'A' on the radio control with the ignition switched ON to deactivate the system.

### 4.7 - Immobilizer alarm

Activated     Deactivated

An alarm function can be added to the immobilizer automatic arming. 25 s after the ignition is switched ON the alarm will trigger.

### 4.8 - Buzzer

Activated     Deactivated

If activated the buzzer will sound in synchronism with the turn indicators to signal the arm and disarm of the system.

## 5-ADVANCED FUNCTIONS

### 5.1 - Immobilizer auto re-arm

Activated     Deactivated

The immobiliser will automatically rearm if the ignition is not switched on within 4 minutes after the system has been disarmed.

### 5.2 - Alarm auto re-arm

Activated     Deactivated

The immobiliser and the alarm system will automatically rearm if the doors are not opened within 4 minutes after the system has been disarmed. The 4 minutes timer will reset if the doors are opened and closed.

### 5.3 - Alarm auto re-arm with door locking

Activated     Deactivated

This function adds automatic doors locking to the alarm auto re-arm function.

### 5.4 - Autolock - Automatic door locking

Activated     Deactivated

The doors are locked at a set vehicle speed not later than 20 s after the ignition is switched ON (see chapter 5.5).

In either case the doors are automatically unlocked when the ignition is switched OFF.

### 5.5 - Autolock - Automatic door locking mode

Time     Speed

Automatic door locking according to speed or time delay.

### 5.6 - Automatic anti-hi-jack

Activated     Deactivated

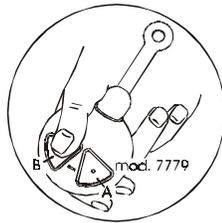
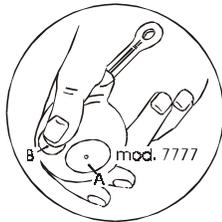
The anti hi-jack is always active. To drive the vehicle, the first two digits of the PIN code must be entered into the override button within 10 s of the ignition being switched ON. Confirmation of acceptance is signalled by a long blink of the LED; the vehicle can now be used normally until the next ignition OFF/ON cycle.

If this procedure is not followed the radio controls will not operate the alarm anymore and the vehicle can be driven for 4 minutes then the siren sounds for 30 s, if the ignition is switched off the alarm stops sounding and the engine is immediately immobilised. It is necessary to enter the PIN code using the emergency button to disarm the system.

### 5.7 - Voluntary anti-hi-jack

Activated     Deactivated

The driver can activate the anti hi-jack function by pressing button 'B' of the radio control with the ignition ON. The LED will blink quickly to signal that anti hi-jack is activated. If a door is opened, the radio controls will not operate the alarm anymore and the vehicle can be driven for 4 minutes then the siren sounds for 30 s, if the ignition is switched off the alarm stops sounding and the engine is immediately immobilised. It is necessary to enter the PIN code using the emergency button to disarm the system.



If you need to open a door while the anti hi-jack is active (the LED will flash quickly) you can deactivate the function by pressing one of the two radio control buttons the LED will blink one long flash and go out.

### 5.8 - Anti hi-jack immobilisation controlled by vehicle speed sensor. (VSS input)

Activated     Deactivated

The vehicle will be immobilised immediately when it stops moving, when the anti hi-jack is activated.

NOTE: This working mode is available only for non EC products model.

**6-ALARM MEMORY**

If an alarm trigger has occurred the buzzer and the turn indicators will give four signals. The alarm status history is displayed by LED when the system is disarmed, this is played until the system will be rearmed or the ignition will be switched ON.

LED SIGNAL	ALARM DESCRIPTION
1 blink	doors, boot have been opened
2 blinks	ultrasonic volumetric sensor triggered
3 blinks	bonnet has been opened
4 blinks	attemp to start (ignition key/hotwire)
5 blinks	movement sensor input/alarm
6 blinks	not used



## 7-EMERGENCY OVERRIDE

To deactivate the system without a remote control:

Push the button of the emergency panel the number of times corresponding to the first digit of your PIN code. The led will blink everytime you press the button, a longer blink will confirm that the right PIN code digit has been input. Proceed in the same way with the 3 further digits.

The system will disarm as soon as the last digit is input.

### 8-PERSONAL PIN CODE

The PIN code should be personalised. The system is delivered with the code 1111 and it must be replaced by a four digits code without the number '0' .

To program the system with your own four digit PIN code, disarm the system, then proceed as follows:

- Open a door
- Turn the ignition On.  
Keep the emergency panel button and button 'A' of the radio control simultaneously pressed until a blink of the turn indicators occurs, this indicates that you can now program a new PIN code.
- Push the button on the emergency panel for the number of times corresponding to the first digit of the new PIN code.

The led will blink everytime you press the button, a longer blink will confirm that the right PIN code digit has been input.

Proceed in the same way for the further 3 digits.

- Turn the ignition OFF at the acknowledgement of the fourth digit.
- Repeat the new PIN code entry.
- If this PIN code is the same as the previous the system will store it. The storage confirmation is given by a 3 s blink of the turn indicators and of the LED.

To exit the program at any time, close the opened door and the old PIN will not be modified.



## 9- MAINTENANCE AND TROUBLE SHOOTING

### 9.1 - The radio control does not disarm the system (Re-synchronization procedure)

If the radio control battery is not flat and the radio control doesn't work, proceed as follows keeping at a distance of 1 meter from the driver's window:

- A)** Press both buttons on the radio control until the LED on it goes out. Release them (the LED will come on permanently).
- B)** Press button 'A' of the radio control, the LED will flash. The re-synchronization procedure has been completed.
- C)** Press button 'A' of the radio control again to verify that the system operates correctly.

If the radio control doesn't work, refer to the emergency override (see chapter 7).

### 9.2 - Radio control battery low

When the radio control battery becomes low, the radio control LED will blink in an irregular way or only once instead of permanently until the button is released. Replace the battery.

- 1.** To change the battery, open the radio control as indicated in the figure, levering in the zone marked "OPEN".

- 2.** Remove the battery as indicated.
- 3.** Wait for about 10 s.
- 4.** Connect the new battery. Only touch it on the sides. Remember to comply with the polarity indication, as shown in the figure.
- 5.** Close the radio control and press button 'A' twice, check the correct operation of the system. Do this operation standing by the vehicle.
- 6.** Dispose the old battery in the special containers.



### 9.3 - Loss of the radio controls

If radio controls are lost, deactivate the system with the emergency PIN code. Refer to the emergency override.

### 9.4 - Loss of the PIN code

As the PIN code enables access to the system, it should not be left in the unattended vehicle as it can be used to deactivate the system or to add new radio controls without authorization. In case of loss it is possible to replace the PIN code with the following procedure:

1. Disarm the system using the radio control.
2. Open a door, leave it opened during programming.
3. Turn the ignition "ON", and keep the emergency panel button pressed.
4. Press button 'A' of the radio control until the turn indicators flash, indicating entry into programming.
5. Set up the new PIN code:

- Push the button on the emergency panel for the number of times corresponding to the first digit of the new PIN code.

The led will blink everytime you press the button, a longer blink will

confirm that the right PIN code digit has been input.

Proceed in the same way for the further 3 figures.

- Turn the ignition OFF at the acknowledgement of the fourth digit.
- Repeat the new PIN code entry. If this PIN code is the same as the previous the system will store it. The storage confirmation is given by a 3 s blink of the turn indicators and of the LED.

To exit the program at any time, close the opened door and the old PIN will not be modified.

### 9.6 - Trouble shooting

The radio control will not arm/disarm the system	
A Solution	the radio control battery may be flat. (chapter 9.2 page 27).
B Solution	the radio control may have lost synchronisation with the unit. (chapter 9.3 page 27).
C Solution	follow the emergency procedure to disarm the system (chapter 7 page 25) and then contact your dealer.
An alarm has triggered for no apparent reason	
When you disarm the system the LED displays series a flash code which indicates the cause of the trigger ).	
A Solution	If ultrasonic volumetric trigger is shown, check that windows, sunroof and air vents are closed and that no moving objects are in the vehicle. If the problem persist contact your dealer.
B Solution	If direct contact trigger (doors, boot and bonnet opening) is shown, one of the switches requires ajustement. Contact your dealer.