



# Owner's manual for the **AVS C-Series** car alarm range

Models:

**AVS C5**

**AVS C4**

**AVS C3**

Owner's manual version: Generation I, V1259



Thank you for choosing an AVS C-Series car security system. This range of car alarms has been designed to provide a superior level of security for you and your CAN-Bus equipped vehicle. A CAN-Bus alarm does not interfere with the car's operating system and provides hassle free operation with the benefits of improved security features. Please read this guide carefully and keep it in a safe place for future reference.

## Examples of factory (OEM) remote control functions

Your AVS C-Series alarm is designed to be operated from your car's factory remote.

The table below is an example of how the AVS C-Series alarm will function with a standard OEM remote.



Locks the doors  
Arms the alarm



Opens the boot


Disarms the boot circuit and any sensors until the boot is shut when it will then re-arm and return to normal




Unlocks the doors  
Disarms the alarm

**NOTE:** Not all factory remotes have a boot release button. Alternatively your alarm can be operated by an AVS CAN remote. Please talk to your AVS installer for more information.

## Arming

1. Press the  button on your car's factory remote.
2. The indicators will flash once and the AVS siren will chirp once.
3. The doors will lock and the LED light on the dash will stay on solid for 10 seconds and then start flashing. The system is now armed.


### ARMING WITH SENSORS DISABLED


1. Press and hold the override button until the LED light on the dash starts flashing quickly.
2. Exit the vehicle as normal and press the  button on your car's factory remote.
3. The indicators will flash once and the AVS siren will chirp once followed by two chirps to confirm the sensors are disabled.
4. The doors will lock and the LED light on the dash will stay on solid for 10 seconds and then start flashing. The system is now armed.

**NOTE:** *You will need to do this each time you want the sensors disabled for that arming cycle.*

### ALARM TRIGGER

If a door, bonnet, or boot is opened or a sensor is triggered (AVS C5/C4) while the system is armed the siren will sound and the indicators will flash for 30 seconds. The system will then re-set itself.


Pressing the  button during an alarm activation will stop the alarm and revert to an armed state.

Pressing the  button during an alarm activation will stop the alarm and revert to a disarmed and unlocked state.

### DOOR AJAR WARNING

If the siren chirps three times on arming a door, bonnet or boot is open. The system will exclude that zone until it is properly closed and the alarm is disarmed then armed again.


## Disarming

1. Press the  button on your car's factory remote.
2. The indicators will flash twice and the AVS siren will chirp twice.
3. The doors will unlock. The LED light on the dash will flash until any door is opened and then stop flashing. The system is now disarmed.
4. If no doors or boot are opened within 30 seconds of disarming the system will automatically re-arm and re-lock.

**NOTE:** *If automatic re-arm and re-lock has been programmed off by your installer the LED will flash for three seconds on disarm and then turn off.*

**NOTE:** *If the siren chirps three times on disarm the alarm has been triggered while you were away from the vehicle.*

## Boot release

1. Press the  button on your car's factory remote.
2. The alarm will disarm the boot input and any sensors. This allows you to access the boot without triggering the alarm but keeps the rest of the vehicle secure.
3. The LED light on the dash will flash quickly to show it is in this state.
4. Closing the boot will re-arm the alarm and return it to normal.

## Emergency disarm

### **IMPORTANT. PLEASE READ.**

Emergency disarm allows you to temporarily disarm the alarm if the car's factory remotes are lost or broken (or the remote batteries are flat). This is done using a unique 4-digit PIN code being entered via the override button.

**The unique PIN code for your alarm is recorded at the back of this manual and on the supplied PIN code card. Without it there is no way to disarm the alarm.** Please familiarise yourself on how to use the PIN code and store the code safely so you are able to carry out emergency disarm if required.

### **HOW TO USE PIN CODE OVERRIDE FOR EMERGENCY DISARM**

- 1.** Enter the vehicle leaving the door open. If the alarm is armed the siren will sound.
- 2.** Turn the ignition ON.
- 3.** Press the override button an equal number of times to the first digit of the PIN code leaving intervals of less than 1 second between presses.
- 4.** Wait 2 seconds, the LED in the dash will flash for 1 second.
- 5.** Repeat until all four digits are entered.
- 6.** If the code entered is correct the alarm will disarm.

**NOTE:** *This emergency disarm procedure only disarms the AVS alarm. If your car has a factory immobiliser it may still prevent the car from being started. In this instance you will need to contact a locksmith.*

## Digital battery back-up siren

A digital battery back-up siren is included with the AVS C5 and AVS C4 alarms.

The siren has its own battery and charging system so will continue to sound if power is cut to it from the car. It also communicates with the alarm via an independent digital line to make it more difficult for a would be thief to disable it.

The siren will sound if power is removed when the alarm is in an armed state but will not sound if the alarm is in a disarmed state.

**NOTE:** *If you need to disconnect the car battery make sure you disarm the alarm first.*

**NOTE:** *The AVS C3 comes with a standard siren but this can be upgraded to the digital battery back-up siren.*

## Digital tilt sensor

A tilt sensor is included with the AVS C5 (if your car does not already have this as standard) and can be fitted to the AVS C4/C3 for an additional charge. The sensor is fully digital and contains extensive anti-falsing circuitry.

The tilt sensor is active 60 seconds after the alarm is armed during which time the sensor sets itself to the angle the car is parked on. If the car is tilted in any direction it triggers the alarm.

Other sensors do not protect wheels and tyres, or detect if the car is being towed, so a digital tilt sensor is a valuable addition to your security system.

## Ultrasonic sensor

An ultrasonic sensor is included with the AVS C5 and C4 (if your car does not already have this as standard) and can be fitted to the AVS C3 for an additional charge.

This sensor triggers the alarm if a change in air pressure or movement is detected in the vehicle. It does this by transmitting ultrasonic sound waves (like a bat's sonar) around the interior of the vehicle. It provides a high level of protection for the cabin of the car.

Remember to ensure all entry points such as windows and sunroofs are securely shut because air movement will trigger the sensor. Also do not leave animals or children inside the car with the alarm armed unless you use Arming with sensors disabled.

## Optional features

Optional features are dependent on the systems already in your vehicle. Not all features are available on all vehicles. Some features may require additional parts and/or additional installation charges. Features are subject to change. Please check with your AVS installer.

### **AVS CAN-BUS REMOTE**

Your AVS alarm can be operated from a separate AVS CAN remote on selected vehicles rather than your car's factory remote. This can be a more affordable option compared with purchasing an additional or new factory remote.

### **WINDOW ROLL UP**

This feature shuts all the windows of the vehicle when the alarm is armed from the car's factory remote.

## **SILENT ARM/DISARM**

The system can be programmed by your AVS installer to either silently arm and disarm, or to only chirp on arming. The indicators will still flash.

## **AUTO RE-ARM AND RE-LOCK**

This feature prevents the accidental disarming of the system. It will re-arm and re-lock the doors if the system is disarmed and a door not opened within in 30 seconds. This feature is on by default but can be programmed off by your AVS installer.

## **DOOR LOCK ON IGNITION**

The system will lock the doors 8 seconds after the ignition is turned on, and unlock the doors when the ignition is turned off.

If a passenger's door is unlocked and opened with the ignition on it will lock again 8 seconds after it is closed. If the driver's door is unlocked and opened with the ignition on the door lock on ignition function will be cancelled until the ignition is turned off and on again.



## Upgrades



### **Air pressure sensor**

Detects a sudden change in air pressure inside the car caused by fast intrusions such as a door being opened.



### **Digital tilt sensor**

Essential protection for mag wheels. Will trigger if the car is tilted in any direction from 1 degree. The AVS C5 comes with a tilt sensor.



### **Glass break sensor**

Detects the sound frequency of breaking glass.



### **GPS Tracking**

Continuously monitor your vehicle with full real time tracking or cost effective location on demand via TXT. Plus monitor or TXT control other functions from the GPS device.



### **Microwave sensor**

Ideal for convertibles it detects body mass, such as a person, entering the vehicle.



### **PIR motion sensor**

Ideal for protecting the back of vans and trucks, it detects body heat and movement.



### **Reed switch**

If you have a ute with a canopy we recommend fitting a magnetic reed switch which will trigger if the canopy is lifted from the ute.



### **Screamer siren**

An extremely high-pitched mini siren installed in the cabin of the vehicle.



### **Shock sensor**

An impact sensor that will trigger the alarm on a heavy impact to the vehicle.



### **Ultrasonic sensors**

Measures air pressure and movement within the car and will trigger the alarm if the pressure changes. Gives superior protection for the interior of the vehicle. The AVS C5 and C4 comes with ultrasonic sensors.

Additional charges apply. Learn more at [avscarsecurity.com](http://avscarsecurity.com).

## Frequently asked questions

### **I have lost/damaged my car's factory remote. How do I disarm the alarm?**

*You can use the PIN code for emergency disarm. Follow the instructions in this manual. Please note that if your car has a factory immobiliser the car may still not start. In this instance contact a locksmith.*

### **My alarm chirps three times when I arm it instead of the usual one chirp?**

*A door, bonnet or boot is open. Disarm the system, correct the problem and start again.*

### **I get three chirps when I disarm the alarm instead of the usual two chirps?**

*The system has been triggered while you were away from the vehicle. See your AVS installer if you would like a diagnosis of what has triggered the alarm as this can be retrieved from the system's memory.*

### **I disarmed the system a few minutes ago but now it is armed again?**

*The system will automatically rearm if you disarm the alarm but do not open a door or boot within 30 seconds. This can be programmed off by your AVS installer.*

### **I have lost/broken my car's remote, can I use an AVS remote to operate the alarm?**

*Most vehicles will be compatible with the AVS CAN remote. Ask your installer.*

### **Can I add an AVS remote as a spare remote for my AVS CAN-Bus alarm?**

*Yes, in most cases your vehicle will be compatible with the AVS CAN remote. Ask your installer.*

### **The system disarms and the dash lights are working but the car won't start? There is a clicking sound when I try to turn the car over to start?**

*It is likely the car battery is flat. The system draws such a small amount of power it can be armed and disarmed (just like you can still see the dash lights) but the car does not have enough power to start. You will need to replace or recharge the car battery.*

**NOTE:** If jump starting the car please use protected jumper leads as failure to do so can do irreparable damage to the alarm system (and your car's computer system) and will void your car alarm warranty.

### **I'm worried the alarm will drain the car battery?**

*The system has been designed to draw as small an amount of current from your car battery as possible. As long as the car's battery is in good condition the system should not adversely affect most car's batteries if left unattended up to about three weeks.*

## 3-year warranty

**Complete the information below and keep with your original receipt for the 3-year warranty period.**

### Installation details:

Installation date: \_\_\_\_\_

Installer: \_\_\_\_\_

Product installed: \_\_\_\_\_

Additional accessories: \_\_\_\_\_

Alarm serial #: \_\_\_\_\_

PIN code #: \_\_\_\_\_

### Your details:

Surname: \_\_\_\_\_

Initials: \_\_\_\_\_

Address: \_\_\_\_\_

### Vehicle Details

Year: \_\_\_\_\_

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Rego#: \_\_\_\_\_

### Terms and conditions:

Manta Electronics Ltd warrants the original consumer purchaser that the product described above, installed in the vehicle above, is free from defects in material and workmanship.

Should this product be proven to be defective in materials or workmanship during the term of the warranty, Manta Electronics Ltd shall replace or repair any product or part of the product which Manta Electronics Ltd agrees is defective, without charge.

Warranty on installation labour, removal and reinstallation charges are not the responsibility of Manta Electronics Ltd.

If you require a mobile technician to call there will be a call out charge regardless of the cause of the fault.

Any damage to the products as a result of

misuse, abuse, neglect, accident, incorrect wiring, improper installation, repair or alteration or installation outside Manta Electronics Ltd approved dealers will void warranty.

Remote control transmitters and batteries are not covered under warranty.

This warranty shall not apply to any product which is found to have been modified, repaired or altered in any way without the express written consent of Manta Electronics Ltd. This warranty shall not apply to any equipment or product connected to the Manta Electronics Ltd product. This warranty does not constitute a guarantee or insurance against the theft of the vehicle or contents thereof.

This warranty does not affect your rights under the Consumer Guarantees Act.



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