



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

Models:

AVS S5



AVS S4



AVS S3



Owner's manual version: Generation 2, V4







Thank you for choosing an AVS S-Series car security system. This range of car alarms and immobilisers has been designed to provide a superior level of security for you and your vehicle. Please read this guide carefully and keep it in a safe place for future reference.



REMOTE CONTROLS

Two remote controls are supplied and are used to control the system functions. The remotes have rolling codes (4 billion) to foil code-grabbing devices. The remotes are also waterproof in normal use conditions.

Button	Functions	Used when
	A. With the addition of the AVS Garage Door receiver your AVS remote may be able to open/close your garage door. Learn more at avscarsecurity.com .	As required
	A. ARMS alarm and locks doors (if installed) B. DISARMS alarm and unlocks doors (if installed) C. DISARMS the immobilisers	Alarm is disarmed Alarm is armed Car is immobilised
	A. Press button for 3-seconds for BOOT RELEASE (if installed) B. Press button for 3-seconds to stop engine if on board turbo timer installed Note: This button can be programmed to be instant. Ask your AVS installer.	As required As required
	A. Press button for 5 seconds to activate PANIC/car finder. Press again (or the lock/unlock button) to turn off panic.	As required

REMOTE BATTERIES

Each remote is fitted with 2 x CR1616 long life Lithium batteries. Replacement batteries are available from avscarsecurity.com, electrical retailers or AVS dealers.

REPLACE THE REMOTE BATTERIES IF:


1. The remote range begins to decrease.
2. The remote's LED flashes when a button is pressed and held.


NOTE: Like any electrical device the remotes contain sensitive components that are easily damaged or broken, especially if dropped. They are expensive to replace so please take care of them.



Buy remotes, remote cases and batteries online from avscarsecurity.com

Arming

1. Press the  button.
2. The indicators will flash once and the AVS S5/S4 siren will chirp once.
3. The doors will lock (if optional central locking installed).
4. The LED light on the dash will light solid for 40 seconds.
5. The LED light will then start flashing. The system is now armed.

NOTE: If you take longer than 40 seconds to leave the car after turning off the ignition when you press the  button it will DISARM not arm the system. Press it again to arm. The indicators will flash once and the siren will chirp once (AVS S5/S4) to confirm the system has armed. See auto-immobilisation for more information.



ALARM TRIGGER

If a door, bonnet or boot is opened or a sensor is triggered (AVS S5/S4) while the system is armed the siren will sound and the indicators will flash for 30 seconds. The system will then re-set itself.


DOOR AJAR WARNING

If the AVS S5/S4 siren chirps for four seconds on arming a door, bonnet or boot is open. The system will exclude that zone until it is properly closed.

SILENT ARM



To silently arm the AVS S5/S4 press the  and  buttons together.

Disarming

1. Press the  button.
2. The indicators will flash twice and the AVS S5/S4 siren will chirp twice.
3. The doors will un-lock (if optional central locking installed).
4. The LED light on the dash will go out. The system is now disarmed.


NOTE: *If the siren (AVS S5/S4) chirps four times on disarm the alarm has been triggered while you were away from the vehicle.*

SILENT DISARMING




To silently disarm the AVS S5/S4 press the  and  buttons together.

Auto-immobilisation

The system will immobilise the car 40 seconds after the ignition is turned off. The LED light on the dash will light solid to show it is in auto-immobilise mode. The system must be disarmed before the car can be started. Follow the disarming instructions.

If you want to arm the alarm from the immobilised state you will need to press the  button twice. The first press will disarm and the second press will arm the alarm.

Panic/car finder (AVS S5/S4)

1. Ensure the car ignition is off.
2. Press the  button for 5-seconds.
3. The indicators will flash and the siren will sound.
4. Cancel panic by pressing the  again (or press the  button once which will also disarm the alarm).

Emergency disarm

IMPORTANT. PLEASE READ.

Emergency disarm allows you to temporarily disarm the alarm if the remotes are lost or broken (or the remote batteries are flat) so you can start the car. This is done using a unique 5-digit PIN code being entered via the ignition key.

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

How to use PIN code override for emergency disarm

This will override the alarm whether it is armed or auto-immobilised.

1. Enter the vehicle. If the alarm is armed the siren will sound (AVS S5/S4). Turn the siren off with the siren key if required.
2. Make sure the bonnet and boot are shut. The doors can be shut or open.
3. Turn the ignition to ON and back to OFF in a quick steady rhythm an equal number of times to the first PIN digit.
4. Wait for the indicators and LED to flash once. (If the alarm is going off you will not be able to see the indicator flash so instead look for the LED flash).
5. Now, repeat for the second PIN digit and wait for the indicators/LED to flash.
6. Repeat until all five digits are entered.
7. If the code entered is correct the alarm will disarm. Start the vehicle within 40 seconds or the alarm will automatically immobilise and you will need to repeat the procedure.

NOTE: *Unless a remote control is learnt in you will need to repeat the procedure every time you wish to start the car.*

Data battery back-up siren

- Included with the AVS S5/S4 and can be fitted to the AVS S3 for an additional charge.
- Has its own battery and charging system so it will continue to sound if power is cut to it from the car.
- Communicates with the alarm module via an independent data line to make it more difficult for a would be thief to disable it.

SIREN KEYS



The siren is supplied with two keys that fit the switch on the top of the siren.

NOTE: *The siren key is unique to your alarm. Make sure the number printed on the key is recorded on the card supplied with this manual so you can order replacement keys if necessary.*

TURNING THE SIREN OFF / ON

You may need to turn the siren off:



1. To disconnect the car battery (the siren will sound if it loses power from the battery).
2. If your car battery goes flat (the siren will sound if it loses power from the battery).
3. If the alarm is armed and you need to use emergency disarm.

NOTE: *If you turn the siren off remember to turn it back on!*

SIREN BATTERY

The siren battery charges off your car's battery automatically. If the car battery goes flat the siren will begin to sound. In this instance turn off the siren with your key and recharge the car's battery. Once this is done remember to turn the siren back on.

If the siren battery is flat it will re-charge itself automatically from the vehicle's power source after approximately four hours.

Digital tilt sensor

- Included with the AVS S5 and can be fitted to the AVS S4/S3 for an additional charge (the AVS S3 will also require a data battery back-up siren).
- The digital tilt sensor sets itself to the angle you are parked on when you arm the alarm. If the car is tilted in ANY direction from one degree it triggers the alarm. Normal sensors like shock sensors will not protect the wheels so a tilt sensor is an essential upgrade if you have expensive tyres or mags.
- The sensor will also trigger the alarm if the car is lifted by a tow truck.
- The sensor is fully digital and contains extensive anti-falsing circuitry.

Intelligent glass break sensor

- Included with the AVS S5 and can be fitted to the AVS S4/S3 for an additional charge (the AVS S3 will also require a data battery back-up siren).
- Detects the sound frequency of breaking glass.
- The shock sensor also needs to pick up a vibration to the vehicle for the alarm to trigger from the glass break sensor. This helps to prevent false triggers.

Intelligent shock sensor

- Included with the AVS S5/S4 and can be fitted to the AVS S3 for an additional charge (the AVS S3 will also require a data battery back-up siren).
- Dual stage – if the vehicle is lightly impacted it will chirp four times. Heavy impacts will trigger full alarm.
- Intelligent - the sensor can tell the difference between environmental shocks (aircraft, trucks, extreme weather) and other heavy impacts such as a thief attempting to break in.
- Auto adjusting – the sensor will sample the background noise when the alarm is armed and adjust itself accordingly to reduce false triggers.

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.

CENTRAL LOCKING FROM THE REMOTE

The alarm will lock/unlock the doors when the alarm is armed/disarmed.


ON-BOARD TURBO TIMER

For maximum security the system has an on-board turbo timer for turbo vehicles that can be set up by your AVS installer.


1. Turn the ignition off and exit the car as normal.
2. Push the  button on the remote to arm the alarm as normal.
3. The engine will continue to run for a preset run time of 1, 2 or 4 minutes.
4. If the system detects an intrusion during the preset run time the system will immobilise the engine and the siren will sound (AVS S5/S4).
5. The engine can be stopped before the set time by pushing the  button on the remote for 3-seconds. This button can be programmed to instant. Ask your AVS installer.

TURBO TIMER INTERFACE

The system will allow the vehicle to run on an external turbo timer. It can be set up by your AVS installer.

1. Turn the ignition off and exit the car as normal.
2. Push the  button on the remote to arm the alarm as normal.
3. The engine will continue to run for the time set on the external turbo timer (this must not exceed the preset run time of the system which is set at 1, 2 or 4 minutes).
4. If the system detects an intrusion during the preset run time the system will immobilise the engine and the siren will sound (AVS S5/S4).

BOOT RELEASE FROM THE REMOTE

1. Make sure the vehicle ignition is turned off.
2. Press the  button on the remote for 3-seconds.
3. The boot will unlock (and if the system is armed it will disarm).

AUTO RE-ARM AND RE-LOCK

This feature prevents the accidental disarming of the system. It will re-arm (and if central locking is connected) re-lock the doors if the system is disarmed and a door not opened within 60 seconds.

DOOR LOCK ON IGNITION

The system will lock the doors when the ignition is turned on, and unlock them when the ignition is turned off (if central locking is connected).

TIMED HEADLIGHT DELAY

The headlights will come on for 15-seconds to light your path when the alarm is armed by remote. The headlights can be turned off before the 15-seconds by pushing the  button on the remote.

PERIMETER NIGHT LIGHT

The indicators will stay on constantly for 20-seconds when the alarm is disarmed, or, until the ignition is switched on.

CONTROL TWO VEHICLES WITH ONE REMOTE

This feature allows you to control two vehicles (such as both family cars) from one remote. The  button controls one vehicle and the  button the other.

CONTROL THE ALARM WITH YOUR VEHICLE'S FACTORY KEY



If your vehicle has a factory key that locks/unlocks the doors your AVS alarm may be able to interface with it so that the alarm arms/disarms at the same time. Boot release will also work from the factory key (and if the alarm is armed it will disarm). This feature will work with most factory keys. For more information talk with your AVS installer.

CONTROL OTHER DEVICES WITH YOUR AVS REMOTE

With the addition of an optional module your AVS alarm may be able to open/close your garage door, arm/disarm your house alarm or control many other common remote control devices. Learn more at avscarsecurity.com or talk with your AVS installer.

COURIER FUNCTION

Courier function allows the engine to continue running indefinitely while the system is armed. For more information talk with your AVS installer.

1. Leave the key on in the ignition with the car running and exit the vehicle. Make sure the doors, bonnet and boot are shut.
2. Push the  button on the remote to arm the alarm as normal. The engine will continue to run. After 3 seconds the LED starts flashing to indicate the alarm is armed.
3. If the alarm detects an intrusion the alarm will immobilise the engine and the siren will sound (AVS S5/S4).
4. Upon returning to the vehicle push the  button on the remote to disarm the alarm as normal. The alarm will disarm and the doors unlock (if optional central locking installed) allowing you to enter the car and drive away.

ANTI HI-JACK

This feature is designed to help prevent car theft through car jacking or theft of the keys and alarm remote by utilising a covert switch. There are two anti hi-jack options:

1. If a car door is opened while the ignition is on a covert switch needs to be pressed within one minute or the alarm will sound and the car will be immobilised.
2. Any time the ignition is turned on the covert switch needs to be pressed within one minute to cancel anti-hijack mode.

With either option if the covert button is not pressed within one minute the vehicle will enter anti-hijack mode. The alarm will sound and the fuel pump immobiliser will engage, shutting the engine off.

To exit anti-hijack mode turn the ignition OFF then back to ON and press the covert switch. Alternatively enter your PIN code. The alarm will disarm and exit anti-hijack mode.

Learn more at avscarsecurity.com or talk with your AVS installer.

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 S5 comes with a digital tilt sensor.



Glass break sensor

Detects the sound frequency of breaking glass. The AVS S5 comes with an intelligent glass break sensor.



GPS Tracking

Continuously monitor your vehicle with full real time tracking or cost effective location on demand via TXT. Plus monitor and 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. The AVS S5/S4 comes with an intelligent shock sensor.



Ultrasonic sensor

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.

Additional charges apply. Learn more at avscarsecurity.com

Frequently asked questions

Where can I purchase a new remote or a new remote case?

You can buy them online from avscarsecurity.com or see your AVS dealer.

Why is the remote range getting shorter?

The remote batteries are going flat. Replacement batteries are available from avscarsecurity.com, electrical retailers or AVS dealers (part 2 x CR1616 per remote).

I have lost/damaged my remote. How do I start the car?

You can use PIN code override for emergency disarm. Follow the instructions in this manual or on the Emergency Disarm card.

My alarm chirps for a few seconds 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 four chirps when I disarm the alarm instead of the usual two chirps?

The system has been triggered. 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 auto re-arm and re-lock feature has been turned on. It can be turned off by your AVS 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 on the car but it won't 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 (<20mA). As long as the car's battery is in good condition the system should not adversely affect most car's batteries if left unattended for up to about three weeks.



3-year warranty

Complete the information below and keep with your original receipt for the three year warranty period.

Installation details:

Date of Installation: _____

Installer: _____

Product Installed: _____

Additional accessories: _____

Alarm serial #: _____

PIN code #: _____

Siren key #: _____

Your details:

Surname: _____

Initials: _____

Address: _____

Vehicle Rego #: _____

Vehicle Make/Model: _____

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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PO Box 302 396, North Harbour
North Shore 0751, New Zealand
00 64 9 476 8052

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