

AVS S5 alarm



Certified to AS/NZS 3749.1.2003 Class A

AVS S4 alarm



Certified to AS/NZS 3749.1.2003 Class B

AVS S3 immobiliser



Certified to AS/NZS 4601.1999 Rev A

➔ **owners manual**

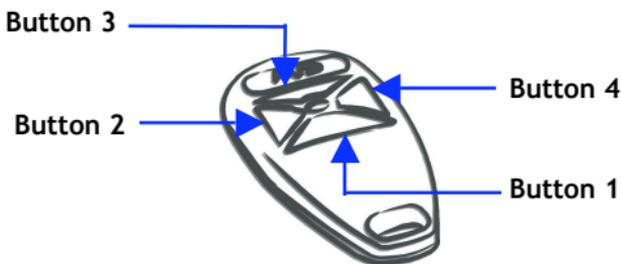
introduction

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.

FUNCTIONS SUMMARY



Button	Functions	Used when
1	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
2	a. Press button for 3-seconds for BOOT RELEASE (if installed) b. Press button for 3-seconds to stop engine if turbo timer installed	As required As required
3	a. Hold to activate LED torch	As required
4	a. Activates PANIC/car finder (AVS S5/S4)	As required
1 + 2	b. SILENT arm or disarm (AVS S5/S4)	Alarm is disarmed/ armed/immobilised

REMOTE BATTERIES

Each remote is fitted with x 2 CR2025 long life Lithium batteries. Replacement batteries are available from 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 pushed.

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

NORMAL OPERATION

ARMING

1. Press button 1 (the large bottom 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 30 seconds.
5. The LED light will then start flashing. The system is now armed.

NOTE: If you take longer than 38 seconds to leave the car after turning off the ignition when you press button 1 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 (AVS S5 / S4), or the glass or shock sensor is activated (AVS S5) 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 button 1 and 2 together.

DISARMING

1. Press button 1 (the large bottom 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 button 1 and 2 together.

AUTO-IMMOBILISATION

The system will immobilise the car 38 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 above.

PANIC/CAR FINDER (AVS S5 / S4)

1. Ensure the car ignition is off.
2. Press button 4 (the right button).
3. The indicators will flash and the siren will sound.
4. Cancel panic by pushing button 4 again.

EMERGENCY DISARM / PIN CODE OVERRIDE

IMPORTANT. PLEASE READ.

Emergency disarm allows you to override the system if the remotes are lost or broken (or the remote batteries are flat) so you can start the car.

This is done using a 2-digit PIN code **that you choose** (there are 63,000 possible combinations) being entered via the ignition key.

Once you have chosen your PIN code record it on the PIN code card with this manual & carry it with you. THIS IS THE ONLY RECORD of your PIN code. Without it there is no way to override the system.

HOW TO CHANGE YOUR PIN CODE

1. Open the drivers door **then** turn the ignition on.
2. Push button 2 (the left button) on the remote 14 times. The dash LED will flash and the AVS S5 / S4 siren will chirp each time you push the button.
3. Turn the ignition off. The indicators will flash once.
4. Turn the ignition on then off anywhere from 3 to 255 times. i.e. 11 times. You have now set the first PIN code digit.
5. Wait for the indicators to flash once.
6. Now turn the ignition on then off anywhere from 3 to 255 times. i.e. 36 times. You have now set the second PIN code digit.
7. Wait for the indicators to flash once.
8. You have now set the PIN to (11)(36).
9. Record your new PIN code on the PIN code card and make sure you carry it with you. This is the only record of your PIN code.

HOW TO USE PIN CODE OVERRIDE FOR EMERGENCY DISARM

NOTE: If the AVS S5 / S4 alarm is armed the siren will sound when you open the door in Step 1. You can use the siren key to turn the siren off before starting emergency disarm so it does not make a noise. (This does not turn "off" the alarm, it only silences the siren.)

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

1. Open the driver's door and leave it open.
2. Turn the ignition on and then off an equal number of times to the first PIN code digit.
3. Wait for two seconds (the indicators will flash once in auto-immobilise mode).
4. Now turn the ignition on then off an equal number of times to the second PIN code digit.
5. The system will now disarm. You must start the car within 38 seconds or the system will automatically rearm.

NOTE: If you turn the ignition off for more than 38 seconds you will have to repeat emergency disarm every time you wish to start the car.

IMPORTANT. PLEASE READ.

Please familiarise yourself on how to use PIN code override so you are able to carry out emergency disarm if required.



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



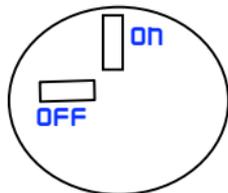
The siren is supplied with two keys that fit the switch on the top of the siren.

NOTE: The siren key is unique to your alarm. Make sure the number is recorded on the card supplied with this manual.

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). Remember to turn the siren back on after the battery is reconnected.
2. If the alarm is armed (AVS S5 / S4) 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 one hour.



SHOCK SENSOR With ETS™

- ➔ Included with the AVS S5 and can be fitted to the AVS S4 / S3 for an additional charge (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.
- ➔ **ETS™** (Environment Tuned Sensor) – 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.



GLASS BREAK SENSOR

- ➔ Included with the AVS S5 and can be fitted to the AVS S4 / S3 for an additional charge (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.



TURBO TIMER FUNCTIONS

NOTE: The operation of these features may be dependent on the systems already in your vehicle and may require additional parts and/or additional installation charges. Not all features are available on all vehicles. Please check with your AVS installer.

ON-BOARD TURBO TIMER

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

1. Turn off the ignition off and exit the car as normal.
2. Push button 1 (the large bottom button) on the remote to arm the alarm as normal.
3. The engine will continue to run for a preset run time of 1, 2.5 or 5 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 button 2 (the left button) on the remote for 3-seconds.

EXTERNAL TURBO TIMER FEATURE

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

1. Turn off the ignition off and exit the car as normal.
2. Push button 1 (the bottom 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, 2.5 or 5 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).

OPTIONAL FEATURES/ACCESSORIES

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

Optional accessories such as sensors and sirens will incur an additional charge.

CENTRAL LOCKING FROM THE REMOTE

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

BOOT RELEASE FROM THE REMOTE

1. Make sure the vehicle ignition is turned off.
2. Press button 2 (the left button) on the remote for three 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 button 2 (the left 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. (This feature is not available if auto re-arm and re-lock is activated.)

CONTROL TWO VEHICLES WITH ONE REMOTE

This feature allows you to control two vehicles (such as both family cars) from one remote. Button 1 controls one vehicle and button 2 the other.

OPTIONAL SENSORS



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.



MICROWAVE SENSOR

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



DIGITAL TILT SENSOR

Essential protection for mag wheels. Will trigger if the car is tilted in any direction 1° (sensitive setting for mags/lowered cars) or 2° (normal setting).

NOTE: The AVS S3 will require a data battery back-up siren to also be fitted if any optional sensors are added.



OPTIONAL SCREAMER SIREN

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

FREQUENTLY ASKED QUESTIONS

Why is the remote range getting shorter?

The remote batteries are going flat. Replacement batteries are available from your AVS dealer or electrical retailer (part CR2025 x 2 per remote).

I have lost or damaged my remotes. How do I start the car?

You can use PIN code override for emergency disarm. Follow the instructions in this manual or on the PIN code 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. 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 3-year warranty period.

INSTALLATION DETAILS:

Installation date: _____ **Installer**
NZSA #: _____

Installer: _____

Product installed: _____

Siren key number: _____

YOUR DETAILS:

Surname: _____ **Initials:** _____

Address: _____

Vehicle
Rego #: _____

Vehicle
Make/Model: _____ **Your PIN**
code: _____

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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