

Rhino®

The Revolution In Australian Designed Vehicle Security

- Vehicle Alarm Systems
- Engine Immobilisers
- GPS Vehicle Tracking Systems
- Mobile Digital Video Recorders
- Reversing Cameras
- Parking Sensors
- Central Locking
- Universal Remotes

& more...



If You Love Your Vehicle It Needs Protecting!

VEHICLE SECURITY & AUTOMOTIVE ELECTRONICS CATALOGUE

RHINOCO TECHNOLOGY COMPANY PROFILE

Cornick Pty Ltd (Trading as RhinoCo Technology) has been part of the electronic security industry since 1978. Our company is proudly Australian-owned and still growing after 32 years in business. We have become best known over the years for our world-renowned "Rhino" brand of vehicle security systems, our Watchguard™ brand of wireless security systems and our Securview™ range of professional video surveillance equipment.

Rhino Vehicle Security Systems have become the preferred choice of hundreds of thousands of vehicle owners around the world due to leading-edge Australian product design, superior reliability, along with unparalleled technical service and support.

This catalogue highlights our latest vehicle security range including alarms and immobilisers, reversing cameras, tracking systems, mobile digital video recorders and various other accessories. We feel it is sure to contain a product that will suit both your feature requirements and budget perfectly!

Over the years, RhinoCo has pioneered the introduction of a number of key vehicle security technologies in Australia, including Code Hopping Remote Technology, intelligent ETS™ Environment Tuned car-body impact Sensors and alarms with mobile phone paging via SMS messaging. Some models even have compatibility with RhinoCo's wireless intrusion sensors and new wireless keypad with PIN protection for maximum security. Many features are user-programmable and can be easily customised to suit your needs. A number of models have also been independently tested and approved to meet the latest Australian Standards and are endorsed by numerous insurance companies.

RhinoCo currently employs over 40 staff in Australia who are involved in product design & engineering, quality assurance, sales, technical service and administration. We currently utilise an ISO9001 quality assured manufacturing facility outside of Australia to produce our alarm & immobiliser designs at world competitive prices, enabling them to be sold into various export markets worldwide. We also produce a number of systems under special OEM arrangements.

RhinoCo has forged strategic alliances with various leading worldwide manufacturers of related accessories such as central locking systems, reversing sensors and cameras, vehicle tracking systems and mobile digital video recorders. These items are sold and supported under the trusted Rhino brand name, offering customers a vast range of quality products to choose from covering all areas of after-market vehicle security and safety.

Please feel free to visit our website at www.rhino.com.au for full product information, including downloadable versions of the latest product brochures and manuals.

Here at RhinoCo, we will always endeavour to support *YOU*, our valued customer with a wide range of leading-edge, value for money products and the best technical support in the industry. Let us prove it to you!



Security Master Licence: 407530935

Due to continual product advancement, specifications and appearance are subject to change without notice.

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CAR ALARMS & ENGINE IMMOBILISERS

4

| | |
|--|---|
| LS Entry Level DIY Remote Controlled Car Alarm..... | 4 |
| GA Remote Controlled Car Alarm With Engine Immobiliser..... | 4 |
| GTR Backup Battery Car Alarm & Immobiliser..... | 5 |
| GTS Backup Battery Car Alarm With 2 Point Immobiliser..... | 5 |
| RAV3 ASA Car Alarm, 3 Point Engine Immobiliser and Glass Break Sensor..... | 6 |
| RAKP ASA Upgrade Car Alarm & Immobiliser With Wireless Keypad..... | 7 |
| TRANS Upgrade Alarm System For Vehicles With Factory Keyless Entry..... | 7 |
| RAM Car Alarm & Immobiliser with 2-Way GSM Mobile Communication via SMS Text Messaging..... | 8 |
| TSMS Add-On SMS Paging System For Vehicles With Existing Factory Alarm.... | 9 |

ENGINE IMMOBILISERS

10

| | |
|---|----|
| RCXI Remote Keyless Entry & Basic Immobiliser System..... | 10 |
| RXPROR4 Multi-Function Receiver/Transmitter Set..... | 10 |
| RES4601V2 ASA Remote Control 2 Point Engine Immobiliser..... | 11 |
| JAG ASA Remote Control 3 Point Engine Immobiliser..... | 11 |

VEHICLE TRACKING & MOBILE VIDEO RECORDER

13

| | |
|--|----|
| MDVR-GPS Vehicle Mobile Digital Video Recorder With GPS System..... | 13 |
| MDVR-XD In-Car Black Box Recorder..... | 14 |
| MDVR-TAXI Vehicle and Driver In-Car Recorder System..... | 16 |
| Rhino Tracks™ Vehicle Tracking Via The Internet..... | 18 |
| GPS Trackers for Personal and Business Use..... | 19 |

REVERSING CAMERAS & PARKING SENSORS

20

| | |
|---|----|
| VSDS-RVM4.3 Rearview Mirror with 4.3" in-built Monitor & Number Plate Camera Kit.... | 20 |
| VSMT-BUMPCAM Bumper-fit Reversing Camera..... | 20 |
| VSMT-MINICAM Ultra Small Wing Mount Reversing Camera..... | 20 |
| VSMT-TRUCKCAM Truck Reversing Camera with IR LEDs..... | 20 |
| VSDS-BUMPCAM Flush Mounted Bumper Camera with IR LEDs..... | 20 |
| LCD7 7" Monitor with Remote Control..... | 21 |
| VSMT-RVM Digital Vehicle Reversing Mirror with Built-In 4" Colour LCD Screen | 21 |
| REVERSE4B 4 Channel Car Reversing Sensor with 'Audible Alert'..... | 21 |

WIRELESS ALARM SYSTEM WITH SMS ALERT

22

| | |
|--|----|
| WGSMS2010 Watchguard™ SMS 2010 Wireless Alarm System with SMS Alert ... | 22 |
| Watchguard™ Wireless Alarm Sensors and Accessories..... | 23 |

ACCESSORIES

24

| | |
|---|----|
| Central Locking..... | 24 |
| Sirens and Vehicle Alarm Accessories..... | 25 |
| Remote Controls..... | 27 |

Entry Level DIY Remote Controlled Car Alarm

Model: LS

The Rhino LS is an entry level car alarm system featuring remote control operation, a 2-Stage Pre-Warning Car Body Impact Sensor and Door Protection via voltage drop (current sensing) i.e. when armed, if your car door is opened and the interior light turns on, the alarm will sound.



LS

- 2 x Compact Size Security Coded Remote Controls
- Can Protect Doors and Boot via Voltage Drop (Current) Sensing
- 2 Stage (Pre Warning) Car Body Impact Sensor
- Unique Watchguard™ Wireless Alarm Sensor Compatibility (Max. 3, See Page 23)
- Negative On Arm Output For Optional Engine Immobiliser Circuit (Relay Required)
- Can Be Installed With Just 2 Wire Connections (Power & Earth)
- Automatic Siren Reset After 30 Seconds
- Easy Learning Mode for Additional Remote Controls (max. 5)
- Personal Panic Function via Remote
- Alarm Dimension: 90(W) x 77(D) x 90(H) mm

Remote Controlled Car Alarm With Engine Immobiliser

Model: GA

The Rhino GA is a compact All-In-One design car alarm with doors, boot and bonnet protection and a single engine immobilisation circuit. It also features central locking outputs for remote keyless entry connection and visual arm / disarm confirmation via your indicators.

- 2 x Compact Size Security Coded Remote Controls
- Engine Immobiliser via External Relay (Included)
- Arming Confirmation Via Indicators
- 'Armed Status' Notification
- Can Protect Doors, Boot and Bonnet
- Automatic Siren Reset Period (30 Seconds)
- 2 Stage (Pre Warning) Car Body Impact Sensor
- Alarm Trigger Memory
- Safety Circuit Prevents Arming While Ignition On
- Learning Mode for Additional Remote Controls (Max. 4)
- Personal Panic Function via Remote
- Programmable Features (Auto Re-arm & Quiet Arm / Disarm)
- Can Connect to Central Locking For Remote Keyless Entry
- Alarm Dimension: 105(W) x 11(D) x 80(H) mm



GA

Backup Battery Car Alarm & Immobiliser

Model: GTR

The Rhino GTR is a well featured mid-level car alarm and engine immobiliser. It is a popular choice for budget minded owners looking for most standard alarm features plus connection to their existing central locking and electric boot for keyless entry. The compact size siren is easy to install in cramped engine bays.

- 2 x Remote Controls
- Smart Code Learning Technology
- 1 Point Engine Immobilisation (Onboard)
- Can Protect Doors, Boot, Bonnet
- Car Body Impact Sensor
- Single Tone Mini Backup Battery Siren
- Automatic Siren Reset (30 seconds)
- Central Locking Relay Outputs for Keyless Entry
- Boot Release via Remote (where fitted)
- Split System - Separate Siren & Central Module
- Flashes Indicators
- Arm/Disarm Beep
- Flashing Red Dash Light
- Emergency Panic via Remote
- Car Finder Function
- Current (Voltage Drop) Sensing
- Security Override Mode
- Programmable Features (Inc. Passive Arming, Auto Re-arm & Quiet Arm / Disarm)
- Module Dimension: 110(W) x 72(D) x 43(H) mm



GTR

Backup Battery Car Alarm With 2 Point Immobiliser

Model: GTS

The Rhino GTS is a highly featured mid-level car alarm and engine immobiliser. It features code hopping remote technology, a full size backup battery siren and numerous programmable features. The two onboard engine immobilisation relays can be used to cut both your starter motor and fuel pump.

- 2 x Code Hopping Remote Controls (Anti - Scanning, Anti - Code Grabbing)
- 2 Stage Car Body Impact Sensor
- 2 Point Engine Immobilisation (On Board Relays)
- Flashing Red Dash Light
- Protects Doors, Boot, Bonnet
- Central Locking Relay Outputs for Keyless Entry
- Emergency Panic & Sensor Isolation via Remote
- Boot Release via Remote (where fitted)
- Current (Voltage Drop) Sensing
- Automatic Siren Reset (30 seconds)
- Alarm Memory
- Security Override Mode
- Split System - Separate Siren & Central Module
- Also Available in 24 Volt Version (Model: GTS24V).
Please Note: GTS24V Siren is non battery backup
- Module Dimension: 110(W) x 85(D) x 30(H)



GTS

Australian Standards Approved Car Alarm and Upgrade (All-in-one Design), inc. 3 Point Engine Immobiliser and Glass Break Sensor

Model: RA (V3)

The Rhino RA (V3) is one of our top quality Australian Standards Approved Car Alarm. It has been engineered to the highest specifications to give you the ultimate in car security, making it recommended for all high theft-risk vehicles. It is Australian Standards Approved (AS3749.1:2003 Class A) and has a range of product features including:

- Three Point Engine Immobilisation (onboard relays)
- Code Hopping Remote Technology (Anti-Scanning, Anti-Code Grabbing)
- Auto Immobilise (Passive Arming)
- All Points Of Entry Alarm Protection (Doors, Boot, Bonnet)
- Audio Discriminating Glass Break Sensor
- Personal Panic Button via Remote Control (siren sounds & indicators flash)
- 2 Stage Pre-Warning Car Body Impact Sensor With ETS™
- Alarm Memory (allows recall of the 10 most recent alarm activations in order)
- Auto Bypass (prevents false alarms caused by faulty sensors / or switches)
- Visual Arming and Disarming via Indicators
- Main Unit Dimension: 115(W) x 42(D) x 90(H) mm



RA

Alarm features:

NEW Control the alarm with your vehicle's factory key

If your vehicle has a factory key that locks/unlocks the doors your RA alarm may be able to interface with it so 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.

Intelligent glass break sensor

Detects the sound frequency of breaking glass. It will only trigger the alarm if the shock sensor also picks up an impact, reducing false alarms.

Intelligent dual stage shock sensor with ETS™

Gives a multiple beep audible warning on a light impact and a full alarm on a heavy impact to the vehicle. Our Environment Tuned Sensor (ETS™) can distinguish between environmental shocks such as trucks or aircraft and a thief attempting to break in. It will auto adjust its sensitivity to suit the environment on arming.

Data battery back-up siren

This high-powered ultra compact siren communicates with the alarm module via Data Transmission so it cannot be fooled into turning off like a normal battery back-up siren. If vehicle power is disconnected, the siren still functions.

Door, bonnet and boot protection

If the alarm is armed and a door, bonnet or boot is opened the alarm will sound.

Central locking from the remote

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

Three automatic immobilisers

For maximum security fuel pump, ignition system and starter motor immobiliser cuts (where possible) are made so the car cannot be started unless it is disarmed via the remote. The system will immobilise 40 seconds after the ignition is turned off automatically or when the alarm is armed.

Two rolling code 4 button waterproof remotes

These ultra secure remotes cannot be copied or scanned. If you are not using your car's factory key to operate the alarm, these will operate the alarm functions.

*Turbo timer functions

The RA is designed specifically to work with turbo vehicles. It has two turbo timer options to choose from.

On-board turbo timer - no need to fit an external unit - using the on-board turbo timer is the most secure way to have a turbo timer. The alarm is armed as usual but the car will continue to run for the preset run time of 1, 2 or 4 minutes. If the alarm is triggered during this time the car will shut down and the alarm will sound. It can also be turned off prior to the preset run time via the remote.

Turbo timer interface - link the alarm up with your existing external turbo timer so your car will continue to run on the external turbo timer after the alarm is armed as usual. If the alarm is triggered during this time the car will shut down and the alarm will sound.

*NEW Courier function

Courier function allows the engine to continue running indefinitely while the system is armed. If the alarm is triggered during this time the car will shut down and the alarm will sound. Simply keep the remote on your person.

* Note: Use of these special installer selectable features will void Australian Standards Approval.



RAKP

Australian Standards Approved Upgrade Car Alarm & Immobiliser With Wireless Keypad

Model: RAKP

Unfortunately, large numbers of high-risk vehicles are now being stolen by thieves gaining access to the owner's car keys. With the RAKP, even if your car keys are stolen (including possibly your factory remote control) the RAKP can not be disarmed without entering your chosen PIN number. The Rhino RAKP is a variant of the RA Model and is designed primarily for use in modern high theft-risk vehicles with factory remote controls. The inclusion of our special wireless keypad prevents anyone from being able to disarm the alarm and start the vehicle unless they enter the chosen 4 digit PIN number within 20 seconds of opening one of the car doors.

- Auto-Immobiliser - The 3 onboard immobilisation circuits automatically activate 38 seconds after turning the ignition off.
- Auto Arming Alarm (Programmable) - If the car ignition is switched off and a door is opened and closed, the alarm can be set to arm automatically.
- Manual Arming - You can also turn the alarm function on manually via your PIN number if you don't want to use the automatic function all the time.
- The wireless keypad uses long-life lithium batteries and has backlit keys for night time illumination.
- Main Module Dimension: 115(W) x 42(D) x 90(H) mm

“Transformer” Upgrade Alarm System For Vehicles With Factory Keyless Entry

Model: TRANS

If your vehicle is fitted with a factory remote keyless entry system, and you would prefer not to have a second remote control on your keyring (because your ignition key is part of the factory remote control), then the Rhino Transformer is your system of choice. Whenever you lock and unlock your vehicle with the factory remote, your Transformer alarm will arm/disarm in turn. The Transformer is simply a variant of the RA system with identical features - except there is no need for remotes. The connection of engine immobilisation circuits (up to 3) in addition to the factory immobiliser is optional, but at least 2 must be connected to meet Australian Standards requirements.

- Australian Standards Approved AS/NZ 3749.1 2003
- Three Point Engine Immobilisation (onboard relays)
- All Points Of Entry Protection (doors, boot, bonnet)
- 2 Stage Pre-Alert Car Body Impact Sensor With ETS™
- Alarm Memory (allows recall of the 10 most recent alarm activations in order)
- Auto Bypass (prevents false alarms caused by faulty sensors / or switches)
- Visual Arming and Disarming via Indicators (Optional)
- Main Module Dimension: 115(W) x 42(D) x 90(H) mm
- Audio Discriminating Glass Break Sensor
- Auto Immobilise (Passive Arming)
- Ultra-Bright Red Flashing LED Light to indicate 'Armed Status'
- Backup Battery Siren
- All Black Wiring Harness



TRANS

RECEIVE SMS ALERT MESSAGES FROM YOUR CAR!



The Rhino RAM



Car Alarm & Immobiliser With 2-Way GSM Mobile Communication via SMS Messaging

Model: RAM

Be Alerted When Your Car Alarm Is Triggered PLUS Solve The Issue Of:

Locking Your Keys In Your Car

This is achieved by sending a message to the alarm to unlock the doors.

The Rhino Model RAM is arguably the world's most advanced car alarm system. This system enables 2 way communication between you and your vehicle via a GSM mobile phone. The RAM is a high specification, all-in-one car alarm and immobiliser, with GSM mobile phone communication via SMS Text Messaging.

SIM Card required

The RAM Alarm & Immobiliser Features:

- Code Hopping Remote Control Technology
- 2 Stage "Auto Adjust" Car Body Impact Sensor
- Doors, Boot, Bonnet Protection
- 2/3 Point Engine Immobilisation
- Audio Discriminating Glass Break Sensor
- Central Locking And Boot Release Outputs
- Backup Battery Siren
- Over 20 Programmable Features
- All Black Wiring Harness
- 3 SMS Controllable Negative Outputs
- No GSM Coverage Warning On Arming

By Sending An SMS Message With Your PIN Number From Your Mobile Phone To Your Vehicle You Can:

- Acknowledge Receipt of an Alarm Message
- Remote Immobilise the Engine
- Remote Arm & Disarm the System
- Remote Unlock the Doors
- Plus Much More.....

Your Rhino RAM Can Send Detailed SMS Messages To Up To 5 Mobile Phones Advising:

- Alarm Activation and Cause – If no response, your RAM will dial the first programmed number
- Panic / Duress Activation
- Car Low Battery Warning

Wireless Alarm Sensor Capability:

- Compatible With Rhino's Full Range Of Optional Wireless Alarm Detectors

“Transformer SMS” Add-On SMS Paging System For Vehicles With An Existing Alarm

Model: TSMS

The “Transformer SMS” adds state-of-the-art 2 way GSM mobile phone communication to your existing factory or after-market car alarm system. If you intend to rely on the existing alarm system fitted in your vehicle, this product enables you to be notified on your mobile phone if the alarm is activated. You can also connect to your existing central locking to allow you to unlock your car from your mobile in case you ever lock your keys in your car!

- Notification of Factory Alarm Activation via SMS Text Message
- Receive SMS Alerts When Your Car Battery Is Low
- Up To 5 People Can Be Notified Upon Alarm Activation
- Failure To Respond To An SMS Alert Causes The System To Ring The Primary User To Gain Maximum Attention
- 3 Independent Negative Outputs Can be Controlled via SMS Message
These may be Used for Remote Arming or Other Functions Such as Opening Electric Gates, Remote Immobilisation...etc.
- SMS Controlled Central Locking Outputs
- User Selectable 6 Digit PIN Number
- GSM Sim Card Required
- Main Module Dimension: 130(W) x 88(D) x 40(H) mm



‘SMS ALERT INTERFACE’

Add-On SMS Paging Module For Existing Alarms Systems With 2-Way GSM Mobile Communication via SMS Text Messaging.

The Rhino TSMS ‘SMS Alert Interface’ is ideal for use:

In vehicles that already have an alarm installed

It adds the convenience of being able to receive SMS messages advising if your alarm has been activated, plus the ability to send SMS messages to control the alarm & auxiliary outputs such as central locking.



Alarm Activated: Door

For home & business alarm systems

The TSMS can be connected to existing alarm panels to allow you to receive an SMS message when the alarm has been activated, plus the ability to send SMS messages to control up to 3 auxiliary outputs such as remote arming, opening electric gates, turning on lights etc.



Intruder Alert

For commercial & industrial use

Example installation - connect the TSMS to your cool room failure alarm to allow you to receive an SMS message when the alarm has been activated. Plus the ability to send SMS messages to control up to 3 auxiliary outputs such as turning on a backup generator etc.



Cool Room Failure



Control up to 3 auxiliary devices via SMS messaging.

Remote Keyless Entry & Basic Immobiliser System

Model: RCXI

This product can be used to remote control your existing car central locking and electronic boot release. It has indicator flash outputs and includes a single engine immobilisation circuit. The RCXI can also be used for remote controlling your garage door, home alarm system, or your electric gate.

- Adds Remote Controlled Functionality to Existing Key Operated Central Locking
- Remote Code Hopping Technology
- Operating Range of Approximately 150 Metres (Open air, LoS)
- 1 Second (Momentary) Negative Central Locking Outputs for Each Channel
- Electric Boot Release Output
- Optional Connection to Flashing LED, Engine Immobilisation Relay & Indicators
- Ultra Compact Module Dimension: 60(W) x 30(D) x 13(H) mm



RCXI

Multi-Function Receiver / Transmitter Set

Model: RXPROR4

The RXPROR4 is an advanced multi-purpose 4-channel narrow-band UHF receiver/ transmitter set with fully programmable relay outputs (1 amp relays). It is supplied as standard with 2 x 4-Button Code Hopping Remote Controls.

- All outputs are individually programmable to suit almost any application (momentary, latched, timed or pulsed)
- High Security Code Hopping Remotes (anti-scan, anti-code grabbing)
- Compatible with Rhino **Watchguard™** Wireless Alarm Detectors (Pg 23)
- Up to 200 metres radio frequency range (line of sight)
- Up to 5 Code Hopping remote controls can be used
- Up to 4 Wireless Detectors can be used
- Step by Step Programming via remote control
- Power Supply Requirement: 12VDC @ 500mA

Want to control your Garage Door, Electric Gate or Home Alarm from your car alarm remote?

The RXPROR4 is compatible with our RES4601V2, JAG, RAV3 and RCXI models. You may use channel 4 on the RXPROR4 Remote to learn in an extra function (ie: Open/Close Garage Door), removing the need to have multiple remote controls.



RXPROR4

Australian Standards Approved Remote Control 2 Point Engine Immobiliser

Model: RES (RES460 IV2)



The Rhino RES Engine Immobiliser is an Australian Standards Approved System and features passive arming, all black wiring and 2 engine immobilisation circuits. It also has a negative on alarm output on door and ignition activation to allow an optional siren to be connected (model: SBB or MINISBB; see Page 25) for basic alarm function.

- Australian Standards Approved: AS/ NZS 4601:1999
- 2 Point Engine Immobilisation (Onboard Relays)
- Code Hopping Remote Technology (Anti-Scanning, Anti-Code Grabbing)
- Auto Immobilise (Passive Arming)
- 30 Second Automatic Siren Reset & Rearm (If optional siren connected)
- Ultra-Bright Red Flashing LED Light
- Personal Panic Button via Remote Control
- Visual Arming and Disarming Confirmation via Blinkers
- Negative Pulse Central Locking Outputs
- Numerous Programmable Features Including Perimeter Night Light & Anti Hijack Functions
- All Black Wiring Harness
- Insurance Approved
- Main Module Dimension: 115(W) x 42(D) x 90(H) mm

Australian Standards Approved Remote Control 3 Point Engine Immobiliser

Model: JAG (V3)

The Rhino JAG (V3) is our top-of-the-range Engine Immobiliser and it's recommended for all high theft-risk vehicles. It is approved to the latest Australian Standard and features 3 onboard engine immobilisation relays plus all black wiring. The additional option of utilising the Rhino wireless keypad means maximum protection for your vehicle.

- Australian Standards Approved: AS / NZS 4601:1999 / Amdt 1:2003
- Insurance Approved Including Specialist Insurers
- Three Point Engine Immobilisation (onboard relays)
- Code Hopping Remote Technology (Anti-Scanning, Anti-Code Grabbing)
- Auto Immobilise (Passive Arming)
- Automatic Re-arm In Case Of Accidental Disarm
- Ultra-Bright Red Flashing LED Light to indicate 'Armed Status'
- Visual Arming and Disarming via Indicators
- Onboard Central Locking Relay Outputs
- Optional Wireless Keypad Compatible
- Numerous Programmable Features Plus Upgradable To Full Alarm System
- Main Module Dimension: 115(W) x 42(D) x 90(H) mm



| Main Features | Car Alarms with Immobilisers | | | | | | | Upgrades | | Immobilisers | | |
|--|------------------------------|-----|-----|----------|-----|------|----------|----------|------|--------------|----------|------|
| | LS | GA | GTR | GTS | RA | RAKP | RAM | TRANS | TSMS | RCX | RES* | JAG* |
| Arm / Disarm Beep | ● | ● | ● | ● | ● | ● | ● | ● | | | Opt | Opt |
| Remote Panic | ● | ● | ● | ● | ● | | ● | | | | ■ | ■ |
| Backup Battery Siren | | | ● | ● | ● | ● | ● | ● | | | Opt | Opt |
| Alarm Trigger Indication on Return to Vehicle | ● | ● | ● | ● | ● | ● | ● | ● | | | ● | ● |
| Automatic Siren Reset & Rearm | | ■ | ■ | ■ | ● | ● | ● | ■ | | | ● | ● |
| Protects Doors, Boot, Bonnet | | ■ | ● | ● | ● | ● | ● | ● | | | Doors | ● |
| Car Body Impact Sensor | ● | ● | ● | ● | ● | ● | ● | ● | | | Opt | ● |
| Current Sensing | ● | ■ | ■ | ■ | ● | ■ | ■ | ■ | | | ■ | ■ |
| Engine Immobilisation (Points) | 1- Opt | 1 | 1 | 2+1- Opt | 3 | 3 | 2+1- Opt | 3 | | 1- Opt | 2+ 1 Opt | 3 |
| Remote Controls (Number Supplied) | 2 | 2 | 2 | 2 | 2 | 1 | 2 | N/A | N/A | 2 | 2 | 2 |
| Flashes Indicators | | ● | ● | ● | ● | ● | ● | ● | | Opt | ● | ● |
| Flashing Red Dash Light to indicate 'Armed Status' | ● | ● | ● | ● | ● | ● | ● | ● | ● | Opt | ● | ● |
| Security Override | | | ● | ■ | ■ | ■ | | ■ | | ● | ■ | ■ |
| Central Locking / Keyless Entry Outputs | ● | ● | ● | ● | ● | | ● | ● | | ● | ● | ● |
| Auto Rearm & Relock | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ |
| Silent Operation (Disable Siren) | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ |
| Ultrasonic or Microwave Sensors | | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | | Opt | Opt |
| 2 Stage (Pre-Warning) Car Body Impact Sensor | ● | ● | | ● | ● | ● | ● | ● | | | | ● |
| Electric Window Lift | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | | Opt | Opt | Opt |
| Passive Arming Alarm Function | | | ■ | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ |
| Diagnostic Alarm Memory | ● | ● | | ● | ● | ● | ● | ● | | | ● | ● |
| Split System - Separate Siren & Control Unit | | | ● | ● | ● | ● | ● | ● | | | | |
| Code Hopping Remote Technology | | | | ● | ● | ● | ● | | | ● | ● | ● |
| Boot Release via Remote (where fitted) | | | ● | ● | ● | | ● | ● | | ● | ● | ● |
| Quiet Arm / Disarm | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ |
| Door Ajar Warning | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | ■ | ■ |
| Passive Arming Immobiliser | | | | | ● | ● | ● | | | | ● | ● |
| Door Lock on Ignition (Anti Hijack) | | | | | ■ | ■ | ■ | | | | ■ | ■ |
| Perimeter Night Light (Indicators Hold On Disarm) | | | | | ■ | ■ | ■ | ■ | | | ■ | ■ |
| Auto Adjust ETS™ Car Body Impact Sensor | ● | ● | | | ● | ● | ● | ● | | | | ● |
| All Black Wiring Harness | | | | | ● | ● | ● | ● | ● | | ● | ● |
| Glass Break Sensor (Audio Discriminating) | | | | | ● | ● | ● | ● | | | | ● |
| Approved to relevant Australian Standards | | | | | ● | ● | | ● | | | ● | ● |
| 2 Way GSM Mobile Phone Communication (SMS) | | | | | | | ● | | ● | | | |
| Requires GSM SIM Card | | | | | | | ● | | ● | | | |
| Wireless Key Pad Compatible | | | | | ● | ● | ● | | | ● | ● | ● |
| Wireless Alarm Detector Compatible | ● | | | | | | ● | | | | | |

- = Standard Feature
- = Programmable (can be turned on or off)
- Opt = Option at Additional Cost

* Note Regarding Models RES & JAG Immobilisers: Alarm features listed are only available when an optional siren is installed.



4 Camera System Vehicle Mobile Digital Video Recorder With GPS Receiver

Model: MDVR-GPS (V2)

The NEW Rhino 4 Channel Vehicle Mobile Digital Recorder with GPS Receiving Unit is the ideal product for a number of applications, including:

- Monitoring driver behaviour
- Proving deliveries have been made
- Providing video evidence in the event of an accident.
- GPS Vehicle Tracking

The unit includes an A/V Input loom to allow you to connect up to 4 cameras to the device (For recording views such as front view, rear view, driver view, passenger/cargo view). The recorded footage is stored on the removable 2.5" Hard Drive, and can be backed up via USB.

The functionality of the unit can be increased through the use of optional accessories, such as a Driver Action Detecting Box (To provide notifications when turn signals are used, when brakes are applied, when doors are opened and other similar functions)



Monitor not included

Main Product Features

High Quality Images, Long Recording Time

The unit has codec support for both MPEG-4 and JPEG hardware video compression. The system settings allow the user to change the framerate for different recording modes, to make more efficient usage of storage space. The recorded footage can be continuously overwritten when the HDD is full (FIFO).

Simple OSD

The user friendly graphical interface offers a simple menu structure, allowing users to quickly search and playback footage, change settings and back up footage onto USB drives. The menu and OSD are navigated by using the included IR remote control.

Automatic Digital Recording When Vehicle Ignition Is On

When the vehicle's ignition is on, the system can be set to automatically record (continuous record); no driver interaction is required. You can also choose to have recording commence only when video motion is detected (motion record) or when an alarm switch is activated (alarm record). By only recording motion or alarm events, there is less unnecessary footage recorded to the hard drive, maximising the storage space.

Optional Sensor Connections

- Brake ON
- Indicators ON/OFF (Left/Right)
- Door(s) OPEN
- Reverse gear selected

USB Backup Function

The unit features multiple USB backup methods, accessible by using the USB ports on the front of the unit. You can backup the entire HDD contents to a portable HDD or you can select the desired footage timeframe and backup to a USB Flash Drive.

GPS Receiver and Vehicle Location Tracking Software

The GPS receiver is connected to the main MDVR and then positioned within the vehicle to receive the best GPS signal. The GPS receiver records the vehicle's location and speed, the date, time and direction of travel. After downloading the footage onto a PC, the GPS data is overlaid onto the recorded footage, displaying the vehicle positioning on Google Maps™*.

* Google Earth is the trademark of Google Inc. The download and use are subject to applicable terms and conditions of Google Inc. RhinoCo Technology is in no way affiliated or associated with Google Inc. or any of its subsidiaries.

The Next Generation of Driving Recorder Systems

MDVR-XDV2

Vehicle Driving Recorder System with built-in GPS Module

Model: MDVR-XDV2

Developed to provide added safety, security and peace of mind to individual drivers and larger transport fleets, the MDVR-XDV2 is an in-car driving recorder system which has an inbuilt GPS module.

The internal CMOS video camera can record at a resolution of 640 x 480 pixels at a maximum of 30fps. Along with the camera, the unit also has an inbuilt microphone for audio recording, a GPS location data logger for easy tracking of the unit location and a G-Force shock sensor to detect vehicle impacts. The unit includes a bracket which allows it to be easily attached to the windshield of a motor vehicle. The inbuilt shock sensor is adjustable, assisting the unit in determining whether the vehicle has been involved in an accident; the pre and post event recording footage is taken to provide thorough coverage of the incident, making it easy for employers or individuals to lodge insurance claims or provide evidence. The unit includes the footage viewing software and a 4GB Micro SD Card.



Main Product Features

■ Easy Installation

Simply install the unit on the windscreen, provide power by turning the car on, and the unit will begin recording.

■ Manual / Event Recording

The unit includes an Emergency Recording Button, allowing you to record events that may not trigger the automatic event recording.

■ Location Information Storage

The device records and stores detailed GPS information including the location, time & date, and speed of the accident or event.

■ 3 Axis G-sensor Event Recording

While driving, when the car gets impacted from an event such as a collision, the G-sensor will detect the impact and record video prior to and during the impact, giving you evidence for insurance claims, police reports etc.

■ GPS Interface (Option)

The device has a built-in GPS module which allows it to track the driving route by map and speed

■ Footage Viewing Software

Recorded video clips can be played back by either using the provided software viewing program on the instruction CD or the free video player which is on the Micro SD card.

■ Supports Video-Out

If you connect video out terminal to monitor, navigation system, you can simply setup the device functions and playback video clips instantly.

■ Automatic Recording System

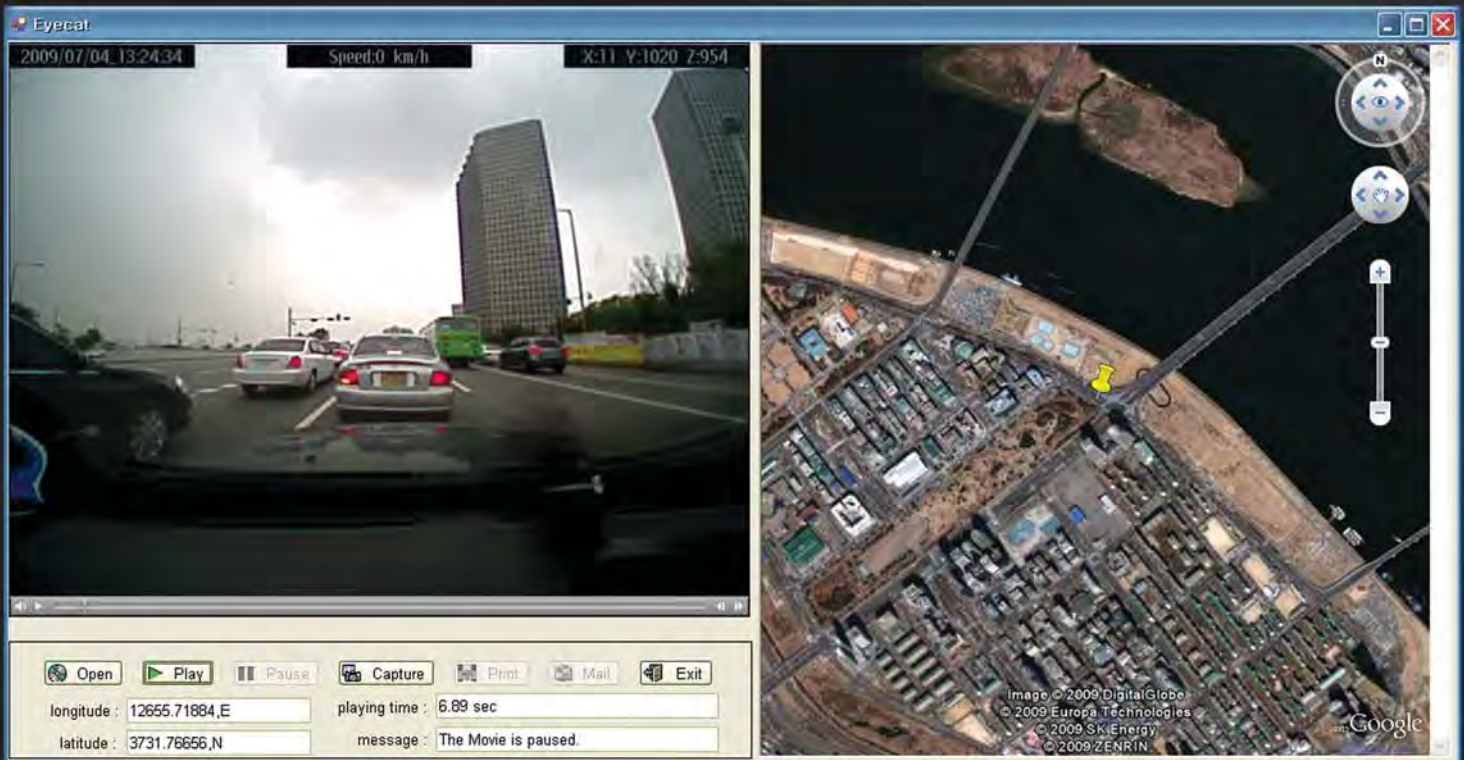
After turning the vehicle on, the device will be powered and will start recording automatically. When the vehicle is turned off, so is the unit.

The unit is provided with a 4GB SD Memory card, to not only enable you to begin recording straight out of the box, but to also allow you to install the Footage Viewing Software on your PC. The software is easy to use and very intuitive, allowing you to adjust the various camera settings (such as recording resolution and sensitivity of the shock sensor) to ensure that the system meets your individual requirements.

User Friendly Software and GUI:





- Easy to install viewing software allows you to browse and preview the recorded files
- G-Force Shock Sensor Graph shows the degree of impact in three directions (X, Y, Z)
- Integration with Google Maps™* displays accurate location of vehicle during events, as well as associated GPS data (location, direction, speed)

Footage Viewing Software



| | | | |
|------------------|--|------------|---|
| Camera | CMOS Image Sensor | GPS | Internal GPS Module |
| Video Resolution | 640 x 480 @30FP | Memory | Micro SD Memory. Supplied with 4GB Micro SD Card, Maximum |
| Audio | Internal Mic | Power | DC 12 ~ DC24V |
| Event | G-Sensor (3-Axis), Emergency Button | Dimensions | L102 x W60 x D5mm |

* Google Earth is the trademark of Google Inc. The download and use are subject to applicable terms and conditions of Google Inc. Rhinoco Technology is in no way affiliated or associated with Google Inc. or any of its subsidiaries.

-  Embedded GPS
-  Event Recording
-  Constant Recording
-  2 Camera Channel
-  Voice Guide
-  SD Memory Card
-  Real Time Display
-  Embedded G-Sensor



MDVR-TAXI

Vehicle In-Car Recording System with inbuilt GPS Module (Version 2)

Model: MDVR-TAXIv2

The MDVR-TAXIv2 represents the next generation of in car GPS video logging recording systems. It provides an ideal video surveillance solution for in-car use, when you're wanting to record the driver's general road view as well as an additional view, such as the driver or the rear view of the car. The system has an inbuilt video camera with audio recording and is supplied with an additional wired camera providing you with accurate video and audio evidence in the event of an accident or traffic incident.

The unit includes both compact mounting brackets, and a windshield cradle to allow you to mount the unit to the windshield of the vehicle or have it sit out from the windshield, similar to a GPS navigation device. Both mounting methods have been designed to keep the unit out of the driver's field of view. The built-in GPS logging module not only monitors the location of the vehicle, but also the times that events occur and the speed of the vehicle.

The internal camera in the main unit monitors out the front windshield of the car when the vehicle is being driven or when it is stationary (power must be supplied to the unit). The additional camera is designed to be mounted facing the driver in order to monitor driver behaviour, or mounted on the rear windshield to monitor the rear of the vehicle.

Retrieving and viewing the footage is as simple as removing the SD memory card from the unit and connecting it to your Windows PC for viewing using the supplied USB SD card reader.

Main Product Features


- **Constant Recording:**
When set to constantly record, the unit will continual capture and store recorded video, audio, GPS location data and time information on the SD card. When the SD card is filled to capacity, the oldest files will be overwritten.
- **Event Recording Function:**
If the impulse sensed by the G-sensor exceeds a specific limit, or the user presses the emergency recording button, the video file containing 15 seconds of data prior to the event and 15 seconds into the event is automatically stored and transferred to the EVENT MOVIE folder on the SD card.
- **PC Video Player:**
By viewing the footage within the supplied PC video player the user can play recorded video and view stored information. The on-screen maps and graphs easily display vehicle velocity, coordinates, time and GPS location. Recorded video files can be played at a maximum resolution of 640x 480 @ 24 FPS.

| | |
|------------------|---|
| Camera | CMOS Image Sensor |
| Video Resolution | 640 x 480 @24FPS |
| Audio | Internal Mic |
| Event | G-Sensor (3-Axis), Emergency Button |
| GPS | Internal GPS Module |
| Memory | SD Memory, Supplied with 4GB SD Card, Maximum Memory 16GB |
| Power | DC 12 ~ DC24V |

Vehicle and Driver In-Car Recorder System with inbuilt GPS Module

Driving Recording System - PC Viewer

Play file - drf0_20090930_162223.mp4 GPS Wait




00:40 Wheel Top Shuttle 01:00

2.0G
1.0G
0G
-1.0G
-2.0G

G-SENSOR

X +0.094 Y -0.070 Z +1.105

50 STATUS

000
KM/H



BlackBOX Viewer

Play List Delete All File Open Select Dir

| Type | Date | File Name | 1 / 1 |
|------|------------|--------------------------|-------|
| 📄 | 2009.09.30 | drf0_20090930_162223.mp4 | |

Eyeat

2009/07/04 13:24:34 Speed:0 km/h X:11 Y:1020 Z:954

Open Play Pause Capture Print Mail Exit

longitude : 12655.71884,E playing time : 6.89 sec

latitude : 3731.76656,N message : The Movie is paused.

Image © 2009 DigitalGlobe
© 2009 Europa Technologies
© 2009 SK Energy
© 2009 ZENRIN

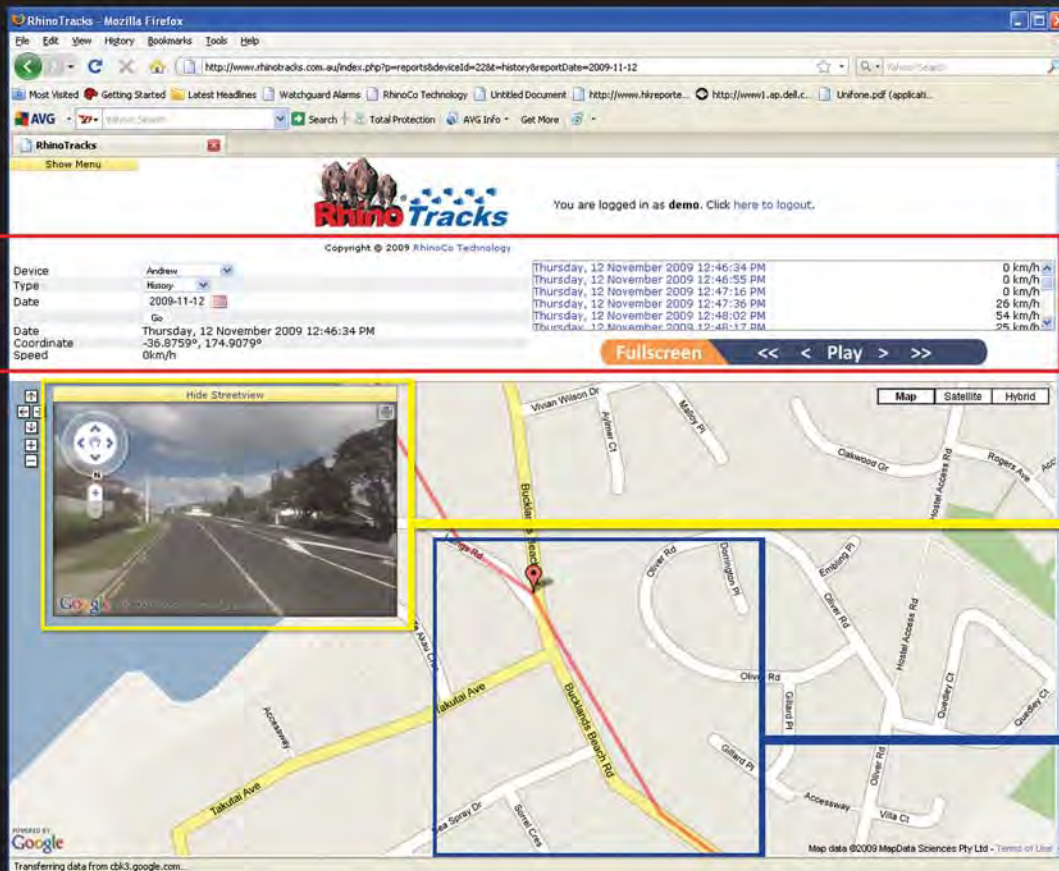
Google



Have You Ever Needed To Know Where Your Vehicle Is Right Now Or Where It Has Been?

With RhinoTracks™ you can affordably locate & track your own vehicle to within 20 metres*, in virtually real-time, from anywhere in the world where you have access to the Internet. Unlike most other retail tracking products, the RhinoTracks™ service allows you to track your own vehicle at any time and find out where it is and where it has been. A major advantage for fleet management applications is that no expensive hardware or software is required.

Access to the RhinoTracks™ service is based on a low-cost monthly subscription service which is paid quarterly. RhinoTracks™ subscription plans include access to the RhinoTracks™ website and your SIM data plan. Please contact your RhinoCo Distributor for pricing and service terms.



After logging into the Rhino Tracks website, you can select "View Live" or "History" to check on your vehicle. Currently, we are at "History" mode.

Google™ Maps** displays the "Streetview" of the vehicle's "current position" at the recorded time frame. "Streetview" can also be viewed full screen.

Using Google™ Maps, the data shows the vehicle's routine, position, location, speed, date and time frame.

The basic functions featured in all the GPS trackers include:

- Support for numerous GPS applications such as vehicle location, remote monitoring, remote navigation, fleet management, anti-theft and real-time tracking
- Provides accident and travel history records
- Convenient, flexible, temporary Geofence setting

* Provided your vehicle is within your selected mobile phone network carriers GSM coverage, GPS satellites are operational & the vehicle is not undercover.

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**RHINOTRACKS-ST5**

Standard GPS Vehicle Tracker

Model: RHINOTRACKS-ST5

The RHINOTRACKS-ST5 is our standard GPS Vehicle Tracker, designed to keep you informed of where your vehicle is and where it has been. The system includes the standard GPS tracking functions, and comes with a GPRS and GPS antenna. *Suitable for 12 or 24 VDC Vehicles

**RHINOTRACKS-PTS**

Personal GPS Tracking System with Voice Function

Model: RHINOTRACKS-PTS

The RHINOTRACKS-PTS personal tracking system includes the standard GPS tracking functions as well as voice functionality. The unit has a built-in microphone and speaker, with the ability to program phone numbers onto the speed dial buttons (via the computer software) for more efficient communication. More advanced functions on of the unit include Help and SOS report sending, as well and a Self-Geofence option. The unit is charged through a portable docking station, and a full battery will provide more than 4 days standby operation.

By Special Order

**RHINOTRACKS-CTS**

Mini Tracker for Container or Covert Tracking

Model: RHINOTRACKS-CTS

This compact GPS unit includes the standard GPS tracking functions and is powered by an inbuilt 3.6V Lithium battery, with a standby operation time of more than 12 days. The system has been designed to be mounted on the back doors of a truck or container. It has built-in GPS and GSM antennas and has both a motion sensor and magnetic door sensor, to easily detect the status of the container doors. The unit housing has a strong magnetic backing, which makes for simple installation and it includes a tamper switch (with trigger reporting) on the main unit for added protection against vandals.

**RHINOTRACKS-WPT**

Wind Powered Tracking System with Built-in GPS and GSM Antenna for Trucks, Trains and Trailers

Model: RHINOTRACKS-WPT

This unique wind powered GPS tracking system utilises an independent wind power generator to charge and power the unit, removing the need to connect an external power supply. This makes the product ideal for mounting on the top of a trailer, truck or container, where it is out of sight from vandals and in a prominent position to capture the wind.

**RHINOTRACKS-SPT**

Stand Alone GPS/GPRS/SMS Solar Panel Tracker

Model: RHINOTRACKS-SPT

The NEW Solar Powered GPS Tracking System is an ideal product for use in logistics applications such as on top of a truck or container. The internal battery is charged by the large photovoltaic Solar Panel, removing the need for an external power source. The unit includes the basic GPS tracking functions, allowing you to locate your vehicle from anywhere in the world where you have an internet connection. The built-in GPS and GSM antenna remove the need for external devices, and the unit's tamper switch (with trigger reporting) provides added protection against vandals.

Watch Out For Unseen Obstacles!

Help see what's behind you in your blind spots when reversing



VSMT-RVM

Digital Vehicle Reversing Mirror With In-Built 4" Colour LCD Screen

Model: VSMT-RVM

This attractive accessory fastens over your vehicle's existing rear view mirror. When reverse gear is selected, a wide angle colour video image is instantly displayed on the in-built 4" LCD screen. Enables safe reversing with confidence, virtually eliminating blind spots. Functions as a regular mirror when not reversing.

- Video Display Turns On Automatically While Reversing
- Inbuilt 4" Colour TFT-LCD Screen with Speakers & Volume Control
- Monitor Resolution: 480x 234 Pixels
- Anti-Glare Blue Glass Mirror
- Secondary AV Input for Connection to DVD/GPS (Only Active When Vehicle Hand Brake Is Applied)
- Integrated Mirror Image Display (Selectable Via AV Input Module)
- Power: 12VDC
- Mirror Dimension: 270(W) x 20(D) x 95(H) mm



VSMT-BUMPCAM

Flush Mount Bumper-fit Reversing Camera With Infrared LEDs

Model: VSMT-BUMPCAM

Flush mount camera designed for mounting directly in the centre of your rear bumper bar. Infrared LEDs offer enhanced night time operation

- 110° Horizontal Viewing Angle
- Dimensions: 65 (L) x 25 (Ø) mm



VSMT-MINICAM

Ultra Small Wing Mount Reversing Camera

Model: VSMT-MINICAM

Ultra compact camera for mounting inside/outside the vehicle - such as above your number plate

- 130° Horizontal Viewing Angle
- Dimensions: 24 (L) x 19 (Ø) mm



VSMT-TRUCKCAM

Truck Reversing Camera with Infrared LEDs & Microphone

Model: VSMT-TRUCKCAM

Suitable for mounting inside rear windscreen (EG.4WD) or externally on a truck or van body. Infrared LEDs offer enhanced night time operation.

- 150° Horizontal Viewing Angle
- Dimensions: 104(D) x 62(W) x 62(H) mm



VSDS-BUMPCAM

Flush Mounted Bumper Camera with Infrared LEDs

Model: VSDS-BUMPCAM

This reversing camera simply mounts directly into your vehicle's rear bumper and once connected to one of Rhino's In-Vehicle LCD Monitors will display a clear colour image.

- 10 x IR LEDs for enhanced night time operation
- 90° Horizontal Viewing Angle
- Power: 12VDC

**VSDSRVM-4.3**

Rearview Mirror with 4.3" TFT-LCD Inbuilt Monitor and Number Plate Camera Kit

Model: VSDS-RVM4.3

This kit contains all you need to enable safe reversing with confidence, virtually eliminating blind spots. The monitor/mirror simply fastens over your vehicle's existing rear view mirror, and the camera is mounted above your number plate. When reverse gear is selected, a colour video image is instantly displayed on the in-built 4.3" TFT-LCD screen.

- Video Display Turns On Automatically While Reversing
- Inbuilt 4" Colour TFT-LCD Screen
- Monitor Resolution: 480x 234 Pixels
- Anti-Glare Blue Glass Mirror
- The camera has 8 x IR LEDs for enhanced night time operation
- The camera has a 110° horizontal viewing angle
- Compatible with Rhino's Full Range of Vehicle Reversing Cameras
- Mirror Dimension: 270(W) x 20(D) x 95(H) mm

**LCD7**

7- Inch Monitor With Remote Control

Model: LCD7

This 7" LCD monitor is primarily designed to be used in automotive applications. It can be connected to a reversing camera to display the camera image automatically when reverse gear is selected. The monitor has two video inputs, making it suitable for use in other applications such as in-car DVD players.

- Aspect ratio: 16:9
- Resolution: 234 x 480pixels
- Dual video inputs (Video1 & Video2)
- Multi-purpose LCD monitor for VCD/DVD/TV/GPS

**REVERSE4B**

4 Channel Car Reversing Sensor Kit with 'Audible Alert'

Model: REVERSE4B

This device is designed to aid drivers by detecting physical objects when reversing or parking. When reversing, the advanced ultrasonic sensors will detect obstacles within 1.5 metres from the rear of your vehicle. The distance between the rear bumper of the vehicle and any obstacle is indicated with escalating audible warning tones and via the visual display. The visual display indicates both the distance and direction of the obstacle in relation to the rear of the car (i.e- left or right).

- 4 x 40KHz Ultrasonic Sensors
- Detection Distance: 0.2~1.5 Metres
- Digital Control Box
- Speaker for audible alert
- Operating Voltage: DC 12V



WARNING:

Both reversing cameras and parking sensors are designed only as an aid to drivers. They should never be considered as a substitute for normal driver responsibility. Proper driving technique and use of mirrors whilst reversing should always be observed by the driver.

Watchguard™ SMS 2010

WIRELESS BURGLAR ALARM SYSTEM WITH SMS TEXT ALERTS DIRECT TO YOUR MOBILE PHONE*

IDEAL FOR HOME, BUSINESS, MARINE OR CARAVAN!



Receive SMS Alerts from your alarm!



- Powerful Wireless Technology
- No phone line required
- No monitoring subscriptions
- Break-in and duress text alerts direct to your mobile
- Easy DIY installation in less than 1 hour
- *Requires a mobile phone SIM card (not included)

Wireless Alarm System with 2-Way Communication Via SMS Messaging

Model: WGSMS2010

A true revolution in self-monitored security alarm systems, the WGSMS2010 has been designed specifically to provide simple installation and maximum protection at an affordable price. The Watchguard™SMS 2010 can be used across a range of applications including homes, caravans, boats, building sites etc. or anywhere where a portable, self-monitored alarm is required. It is a sophisticated system, utilising the latest in GSM communication and wireless alarm technology. The Watchguard™SMS 2010 communicates to your mobile via a GSM mobile phone network. Inserting a SIM Card enables 2-way communication via SMS text messaging between you and your alarm.

*A suitable GSM SIM Card is required for the SMS functionality of this product (not included). The in-built high quality Quad Band GSM Modem (850, 900, 1800, 1900 MHz) supports use worldwide.

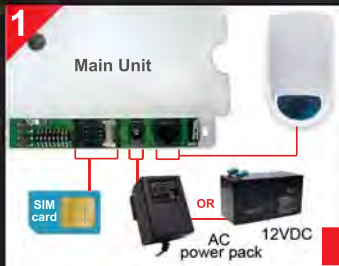
Standard Package Includes:

- 1 x 8 Zone Alarm Controller Unit with Built-in GSM Modem
- 2 x Wireless PIR Movement Sensors
- 2 x Code Hopping Remote Controls
- 1 x 12V DC Power Supply for the Alarm Controller Unit
- 1 x Compact External Siren with Strobe & 10m Cable



WGSMS2010

How The System Works:



1 Plug & Play Setup

After mounting the siren and movement detectors in the areas to be monitored, simply insert your SIM, then connect power via the included AC power pack (or connect 12VDC), turn the power key to 'on' and you're ready to go! You now program who is to receive the SMS alerts from your own mobile phone by sending an SMS to the main unit.



2 Arm the Premises

Use your **Remote Control** to arm the System to secure your premises. You can also arm or disarm from your mobile phone - which is ideal if you ever forget to arm or need to let someone enter in your absence. When body heat movement is detected in the premises, the sensors will send a coded radio message to the alarm module.



3 8 Zone Alarm Module with Built in GSM Modem

This is the 'brain' of the system. When it receives the message from the **Wireless Movement Sensors**, it automatically sends your reported alarm to your nominated mobile/s as an SMS. The internal siren will also sound, helping repel the intruder. The external siren will sound and the strobe will flash for 5 minutes.



4 Alarm Notification

The Watchguard SMS alarm module communicates to your mobile phone via a GSM mobile network. When triggered, the module sends a detailed SMS of the reported alarm to your mobile/s. A voice message may also be sent to a landline telephone, where supported. Up to 5 people can be notified.

OPTIONAL ACCESSORIES

Your Watchguard™SMS2010 Wireless Alarm System can be upgraded to function as a smoke alarm as well as a wireless panic button or medical alarm. You can utilise up to 8 individual alarm sensing devices and up to 7 remote controls in total.

Retail Ready Packaging



Wireless Outdoor Siren

Model: WSIREN

Incorporates a powerful siren and flashing blue strobe. Utilises a low voltage power pack with 10m cable.



Wireless Solar Siren

Model: WSSOL

NO cable required. In-built solar panel charges internal battery. Features powerful 105dB/M siren & blue strobe light.



Wireless Smoke Detector

Model: SMOETW

Gas Ionisation Technology. In-built siren and low battery warning. 9V DC.



Additional Remote Control

Model: GTTX

Allows you to easily Arm / Disarm the system from anywhere in your home without having to remember a PIN Number.



Full Size Wireless Keypad

Model: WKPL

Allows you to Arm / Disarm the system using your chosen PIN Number. Backlit buttons and low battery warning.



Hard Wired External Siren

Model: COS

Incorporates a powerful siren & flashing blue strobe. Supplied complete with 20m inter-connection cable for easy installation.



Wireless Outdoor PIR Sensor

Model: PIRWOD

High quality outdoor PIR sensor. 4 selectable coverage patterns (wide angle 10m, curtain 10m, long range 20m & vertical curtain 3m).



Additional Wireless PIR Sensor

Model: PIRW3

Designed to detect the body movement of an intruder inside your premises. 12m detection range. Up to 3 year battery life.



Wireless Emergency Panic Button

Model: WPANIC

Wireless "Panic" Button designed for use in medical or duress situations.



Wireless Reed Switch

Model: WREEDI

Designed to sense the opening of a door or window using magnetic reed switch technology. Also features universal transmitter terminals.



Heavy Duty 4 Door Central Locking Kit

Models: CLKHD (4 Door), CLKHD2D (2 Door), CLKHD24 (2 Door 24v)

Add security and convenience to your car which is not already fitted with central locking. This heavy duty central locking kit can be key operated or connected to any car alarm or immobiliser with central locking outputs for remote keyless entry.

This high quality door central locking kit is ideal for use in both modern and older vehicles which require high torque motors for activating stiff door locking mechanisms. This product is available in 2-Door, 4-Door and 24V Versions

Kit Includes:

- 1 x Control Module With Negative Lock / Unlock Pulse Inputs
- 2 x 5 Wire Master Actuator / Door Lock Motors
- 2 x 2 Wire Slave Actuator / Door Lock Motors
- Full Wiring Harness & Motor Mounting Hardware

Compared to regular "Gun Style" central locking kits, this product has:

- Higher quality manufacture
- Superior torque
- Longer service life
- Easier installation



Central Locking Kit - Cable Lock Adapter

Model: CLKHDCABLE

Use this adapter kit for vehicles fitted with cable type lock actuators.



Heavy Duty 5 Wire Central Locking Motor

Model: DLHD101

Individual Central Locking 5-Wire Drive Motor.



Heavy Duty 2-Wire Central Locking Slave Motor

Model: DLHD102

Heavy Duty 2-Wire Central Locking Slave Motor.

**DPS****Cabin Piezo Siren****Model: DPS**

Repel an intruder from the cabin of your vehicle by installing this high frequency, super loud siren under the dash.

- Connect To The "Negative On Alarm" Output On Your Alarm System
- Dimensions: 85(W) x 89(D) x 41(H) mm

**BBSC****Coded Backup Battery Siren****Model: BBSC**

For use with Rhino RA & JAG only as these systems utilise a special data code signal to switch the siren on and off.

- Power: 12VDC
- All Black Wiring
- Australian Standards Approved
- Dimensions: 105(W) x 11(D) x 80(H) mm

**MINISBB****Mini Back Up Battery Siren****Model: MINISBB**

Universal replacement siren for most brands of car alarm. Used in Rhino GTR & RSA Car Alarms.

- Power: 12VDC
- Used in Rhino GTR & RSA Car Alarm
- Negative & Positive Trigger Inputs
- Override Keyswitch
- Dimensions: 55(W) x 65(D) x 72(H) mm

**SBB****Siren Battery Backup****Model: SBB**

Universal replacement siren for most brands of car alarm. Used in Rhino GTS Car Alarm.

- Colour Wiring Harness
- Negative & Positive Trigger Inputs
- Override Keyswitch
- Dimensions: 105(W) x 11(D) x 80(H) mm

**UD5****Microwave Detector****Model: UD5**

For detecting body movement inside the cabin of a soft-top / convertible vehicle. Can be hidden behind non-metallic surfaces.

- Compact Design
- Dual Colour Test LED
- Negative Trigger Output Wire
- Adjustable Sensitivity
- Dimensions: 83(W) x 80(D) x 20(H) mm

**UD6****Ultrasonic Sensors****Model: UD6**

For detecting body movement inside the cabin of a hardtop vehicle. Easy to connect to most alarms via negative output trigger wire.

- Ultra Compact Sensors
- Frequency: 40 Khz Crystal Locked
- Adjustable Sensitivity
- 12V DC

**TILTSENSE2****Digital Tilt Sensor****Model: TILTSENSE2**

Designed to help protect your wheels / detect tow away. This device detects if your car is tilted by more than a couple of degrees. Unlike mercury switches, it does not matter if your car is parked on a slope. The sensor saves in memory the angle position of your car when your alarm is armed & monitors for any changes.

- 3 Dimensional Movement Sensing Technologies (XYZ Axis)
- Digital Signal Processing (DSP)
- Microprocessor To Instantly & Continually Analyse All Pitch Changes
- Dimensions: 40(W) x 47(D) x 10(H) mm

**MDDZ****Dual Zone Microwave Detector****Model: MDDZ**

Can be used to give a warning to anyone coming too close to your vehicle & to trigger the alarm if there is movement inside the cabin. Can be hidden behind non-metallic surfaces.

- Compatible With Most Alarms
- Tri- Colour Test LED
- Negative Trigger Output Wires
- Detects Perimeter Approach & Internal Movement
- Dimensions: 83(W) x 80(D) x 20(H) mm



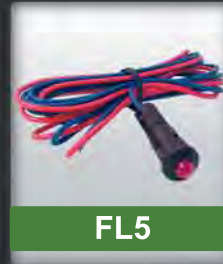
Automatic Electric Window Lifter

Model: **GLU400**

Automatically closes 2 power windows when your alarm is armed (2 units required for a 4 door vehicle).

- Dimensions: 70(W) x 115(D) x 27(H) mm

GLU400



5mm Flashing LED Light

Model: **FL5**

Ultra bright flush-mount red flashing LED light for "alarm armed" indication.

- 12V DC
- Diameter : 5 mm

FL5



Electric Boot Release Motor

Model: **DL105**

Add convenience to your car that is not fitted with an electric (push button) type boot / hatch release.

- Solenoid Dimensions: 70(W) x 115(D) x 27(H) mm

DL105



Standard Right Angle Pinswitch

Model: **PIN409**

Used to detect the opening of a vehicle bonnet, boot or doors.

- Cut To Adjust
- Dimensions: 35(W) x 53(L) mm

PIN409



Van Sliding Door Switch

Model: **VANSW**

For use when installing central locking on vehicles with sliding doors such as passenger & commercial vans.

- Female Switch Dimensions: 82(W) x 34(D) x 15(H) mm
- Male Switch Dimensions: 70(W) x 26(D) x 52(H) mm

VANSW



40 Amp Changeover Relay

Model: **40ARELAY**

Commonly used for adding engine immobilisation circuits and connecting electric boot release motors to your system. Also used for central locking interfacing when vehicle does not have regular negative pulse inputs and your alarm / immobiliser also does not already have onboard central locking relays.

- Available in 12V and 24V Versions
- Dimensions: 22(W) x 41(D) x 27(H) mm

40ARELAY



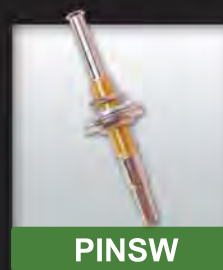
Right Angle Pinswitch

Model: **PIN410**

Used to detect the opening of a vehicle bonnet, boot or doors.

- Cut To Adjust
- Dimensions: 45(W) x 60(L) mm

PIN410



Metal Pin Switch

Model: **PINSW**

Used to detect the opening of a vehicle bonnet, boot or doors.

- Adjust via Screw Thread
- Dimensions: 5(W) x 65(L) mm

PINSW



2 Stage Vehicle Impact Sensor

Model: **SHOCK2S**

Designed to detect any shocks or impacts to your vehicle. The 2 stage system provides a warning alert if a light impact is detected, and outputs to the alarm if a heavy impact is registered.

- 2 Stage for more accurate detection
- Pre-wired female plug
- Adjustable sensitivity with LED test indicator

SHOCK2S



Differential Pressure Sensor

Model: **PRESSENSE**

The differential pressure sensor detects minute or major changes in the internal pressure of a car; when the alarm is armed, the sensor uses the internal pressure as a baseline. Any changes to this pressure - like breaking a window or prying open a door - result in the sensor detecting the change and triggering the alarm.

- Unit has Low and High frequency tuners

PRESSENSE



GTTX



GTSTX



GTRTX

2 Button Code Hopping Remotes

Model: GTTX / GTSTX / GTRTX

- **Yellow LED GTTX:**
For Rhino RCX & RES Immobilisers, WGSMS2010
- **Red LED GTSTX:**
For Rhino GTS Car Alarm
- **Green LED GTRTX:**
For Rhino GTR Car Alarm



GLTX

Single Button Fixed Code Remote

Model: GLTX

- Fixed Code Technology
- For Rhino LS & GA Car Alarm



RAV3TX

4 Button Code Hopping Remote

Model: RAV3TX

- As supplied With Rhino RAV3 Car Alarm
- Also Compatible with Rhino RCX, RES & WGSMS2010



RCTX3-T

3 Button Code Hopping Remote with LED Torch Function

Model: RCTX3-T

- 3 Button Remote With LED Torch
- As supplied With Rhino JAG, RAV3 & RAMV2 Car Alarm
- Also Compatible with Rhino RCX, RES & WGSMS2010



RCTX4-U

4 Button Code Hopping Remote

Model: RCTX4-U

- As supplied with Rhino RXPROR4. Optional use with Rhino RCX, RES, JAG, RAMV2 & WGSMS2010
- Colour coded buttons with printed numbers to match GTTX / RCTX3-T (i.e button 1 on your RCTX4-U is the same function as button 1 on your) GTTX remote.

Need a replacement remote control for your old car alarm ?

See full video demonstration on www.rhinoco.com.au/product/ptx/

Universal UHF 4-Button Learning Remote

Model: PTX

The Rhino PTX Remote Control can duplicate a majority of fixed code remote controls (not code hopping remotes). Fixed code means that each time the remote control is pressed, the same code is transmitted each time. The PTX remote has four buttons so that it will universally suit most alarms i.e. some remotes have just one button for arming / disarming, where others may have separate buttons for multiple functions. The same code can be copied onto multiple buttons if desired. If your original remote has a function controlled by pressing multiple buttons together, you must duplicate that code to a single button on your Rhino PTX.

- 4 Channel Programmable Remote Control
- Many Uses Including Car Alarms, Home Alarms, Panic Buttons, Garage Doors...
- Copies Most Radio Frequency Fixed Code Remote Controls
- Learns in Seconds
- 255-500 MHz Adjustable Frequency
- Battery Included



PTX



Electric Gates



Home Alarms



Car Alarms



Garage Gate

Watchguard™ **SMS 2010**

WIRELESS BURGLAR ALARM SYSTEM WITH SMS TEXT ALERTS DIRECT TO YOUR MOBILE PHONE*

IDEAL FOR HOME, BUSINESS, MARINE OR CARAVAN!



Receive SMS Alerts from your alarm!



NEW! See page 22 for more details



- Powerful Wireless Technology
- No phone line required
- No monitoring subscriptions
- Break-in and duress text alerts direct to your mobile
- Easy DIY installation in less than 1 hour
- *Requires a mobile phone SIM card (not included)

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