



# **M560**

Operator's Instruction Manual  
&  
Product Warranty Terms & Conditions

# M560 REMOTE CONTROL – 2 SUPPLIED

## **BUTTON ONE ONLY**

PRESS FOR 1.5 SECONDS TO ARM OR DISARM THE SECURITY SYSTEM - (DOORS WILL ALSO LOCK OR UNLOCK IF THE CENTRAL LOCKING HAS BEEN CONNECTED)

'PANIC'  
PRESS FOR 3 SECONDS TO SOUND THE SIREN OF THE ALARM. PRESS AGAIN TO CANCEL

## **BUTTON ONE THEN BUTTON TWO**

'**SENSOR BYPASS**'  
THIS SEQUENCE DEACTIVATES SENSORS SUCH AS SHOCK SENSOR.  
DOORS, BONNET & BOOT REMAIN PROTECTED.  
ONLY DEACTIVATE SENSORS TO REDUCE THE POSSIBILITY OF FALSE ALARMS

COSMETICS MAY DIFFER TO THAT SHOWN



## **BUTTON TWO ONLY**

PRESS FOR 3 SECONDS FOR 'AUXILIARY OUTPUT' (EG:BOOT RELEASE IF VEHICLE EQUIPPED)

## **BUTTON TWO THEN BUTTON ONE**

THIS SEQUENCE WILL SILENTLY ARM OR DIS-ARM THE SYSTEM WITHOUT SIREN CHIRPS

## **BUTTON ONE AND TWO TOGETHER**

WITH IGNITION ON, PRESS BOTH BUTTONS TOGETHER FOR 3 SECONDS TO ENTER 'VALET' MODE.  
REPEAT TO EXIT 'VALET' MODE.  
(SEE SECTION ON 'VALET' MODE FOR FULL DETAILS.

## **BATTERY REPLACEMENT**

YOUR REMOTE USES AN RCB23A (12v 23amp) BATTERY WHICH ARE AVAILABLE FROM YOUR MONGOOSE AGENT OR ELECTRONIC SHOP.

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## **OPERATING YOUR VEHICLE SECURITY SYSTEM**

**THANK YOU FOR PURCHASING THIS MONGOOSE VEHICLE SECURITY SYSTEM. TO ENSURE CORRECT OPERATION, PLEASE TAKE THE TIME TO CAREFULLY READ THIS OPERATOR GUIDE, TRY OUT THE FEATURES, AND FAMILIARISE YOURSELF WITH ITS OPERATION.**

### **REMOTE CONTROL KEY (cosmetics may differ to that shown on page 2)**

Two remote control keys are supplied which enable you to set and unset your security system. One remote control should be kept with your car keys and the other with your spare car keys in a safe place. We do not recommend leaving the spare remote and car keys in the vehicle.

Change the batteries annually to ensure correct operation.

Treat your remotes with care, as dropping them may cause malfunctions. These remotes work on radio frequency and may be affected by other strong signals or sharp knocks such as dropping them. Your Mongoose dealer can re-trim your remote if it is 'knocked out of tune' by being dropped.

### **ROLLING CODE**

The security code of your alarm system changes each time you press the remote button. This coding system is completely random therefore eliminating the possibility of recording it (code grabbing). As there are billions of code combinations the chances of duplication are literally billions to one.

### **CODE LEARNING**

The alarm module has a capacity to memorise the remote controls which are programmed into it. The two remotes supplied are pre-learnt and have different codes to each other. If you wish to add further remotes, maximum of 4, or a remote has to be replaced, the new remote(s) needs to be learnt into the main module. A lost remote can simply be deleted from memory.

Please return your vehicle to an authorised installer to carry out this procedure.

**ARMING THE SYSTEM**

Before arming the system, turn off and remove the keys from the ignition. Close all windows and doors. Check that the bonnet and boot are also closed. The system is armed by depressing button ONE on the remote control momentarily (approx. 1.5 seconds).

It is important to press the button for the recommended time as a shorter duration may not activate the system. Verify that the small red LED on the remote illuminates.

You will notice the indicators flash once and the siren chirps once to indicate that the system is armed.

The dash board warning light ,LED, will slow flash to indicate armed mode.

If your vehicle has central locking, and it has been connected to this security system, the doors will lock at the same time as arming. (see page 10 on central locking)

**DISARMING THE SYSTEM**

Press button ONE on the remote control to disarm the system. The siren will chirp twice and the indicators will flash twice. The doors will unlock if wired to the vehicles central locking system. The Perimeter Nite Lite feature, if programmed on, will then fully light the indicators for 15 seconds.

**SILENT ARMING / DIS-ARMING (eg: arming without the chirps)**

Press button TWO followed by button ONE to silently arm or disarm the system. The chirps may be permanently turned off at time of installation, see page 12 for programming options.

**AUTOMATIC (LAST DOOR) ARMING - PROGRAMMABLE**

This feature is factory set in the 'off' position. You may choose to have this feature programmed 'on' for added security. Upon closing the last door, the system fast flashes the LED for 30 seconds, after which it chirps the siren once and gives one flash of the indicators to indicate the system automatically armed. Opening a door during the 30 seconds will suspend the countdown which will recommence on door closure.

**AUTOMATIC ENGINE START DISABLE - STANDARD FEATURE, NOT PROGRAMMABLE**

This security system disables one engine circuit to prevent engine starting when the system is armed. The authorised installer of this product should advise you which circuit has been disabled. If the system has been programmed with the automatic arming feature above, the engine will be automatically disabled at the same time as the system is armed, otherwise the automatic engine immobiliser arms independently 30 seconds after last door closure. If an attempt is made to start the engine when automatically immobilised, the siren will chirp for 15 seconds. If an attempt is made to start the engine when fully armed by remote, the siren will sound and the indicators will flash. Press button one on the remote to cancel siren sounding and re-engage the engine for starting.

**SECURITY RE-ARM (& RE-LOCK)**

The system will automatically re-arm if it has been disarmed by remote but a door has not been opened within 30 seconds. Doors will also re-lock if connected. For the security re-arm feature to operate, the system must have been initially set by the remote control. This is to prevent your keys being locked in the vehicle. This feature cannot be programmed off.

**PANIC BY REMOTE (in either armed or disarmed state)**

In the event of personal attack or you suspect that your vehicle is being tampered with, the alarm can be 'panicked' by pressing button one on the remote for more than 3 seconds. The siren will sound and the indicators will flash. (Panic does operate with the ignition on.) To cancel the panic, press button one on the remote.

**INSTANTANEOUS ARMING / TRIGGER**

The system is armed when set by remote or after 30 seconds of last door closure if programmed for automatic arming. The siren should sound immediately when triggered.

**DOORS, BONNET AND BOOT PROTECTION**

The siren will sound for 30 seconds should any of these be opened when the system is armed. The indicators will continue to flash for 5 minutes after the siren sounding. If a circuit is left open, the siren will cycle 3 times and the indicators will flash for a further 5 minutes. (In NSW, the siren will sound for 30 seconds once only and must then be manually re-set) The system does require your vehicle to be fitted with courtesy light door switches for these to trigger the alarm. If these are not fitted to your vehicle the alarm will not operate correctly. Fitting door switches will incur extra costs.

**AUTOMATIC RE-SET (refer noise pollution control)**

Upon being triggered, the siren will sound for 30 seconds, after which, it will stop and reset to the armed position. It will then re-trigger on the next intrusion. (NSW, one sounding only - must be manually re-set)

**ARM CONDITION MEMORY**

Should the vehicle battery be disconnected, the system memorises the last set position of the alarm. If the alarm was disarmed prior to battery disconnection, reconnection does not cause the alarm to sound. If the battery was disconnected whilst the system was armed, reconnection will return the system to the armed state.

(If the system has the optional battery back-up siren, vehicle battery disconnection will cause the battery back-up siren to sound - this is turned off at the siren with the special key provided)

**ELECTRONIC SIREN ('S' models are equipped with a battery back-up siren)**

This is mounted under the bonnet. It should be situated in a place to protect it from heat and water damage. Driving through deep water or puddles may cause water splashes. Please check that the siren has been mounted in such a position so as to avoid damaging it. If washing the engine bay, cover the siren with a plastic bag to prevent water damage. Heat or water damage is not covered by the warranty.

**INDICATOR FLASHING**

When the siren sounds, the indicators flash simultaneously. If these are 'shorted', the siren continues to sound. The indicators will also flash on arming and disarming the system.

**INTRUSION ALERT**

When disarming, if the siren chirps four times and the indicators flash 3 times you know the system has been triggered. Refer to LED flash codes to show which circuit has been triggered. Turning the ignition 'on' resets the flash codes.

**INDICATOR CONFIRMATION / CODES**

This is a visual indication of system status.

- A) 1 Flash - Armed
- B) 1 Flash then permanently lit for 10 seconds - signifies a circuit is open whilst arming.
- C) 2 Flash - Disarmed
- D) 2 Flash then permanently lit for 15 seconds - signifies 'Perimeter Nite Lite' whilst disarming.
- E) 3 Flash - Disarmed and triggered
- F) Flashing for 5 minutes - Indicates circuit triggered after siren sounding.

**CHIRP CONFIRMATION / CODES**

This is an audible indication of system status.

- A) 1 Chirp - Armed
- B) 1 Chirp pause 2<sup>nd</sup> chirp - indicates circuit open whilst arming
- C) 2 Chirps - Disarmed
- D) 4 Chirps - Disarmed and indicates that the alarm has been triggered. LED flash codes indicate circuit triggered.



**DASH MOUNTED WARNING LIGHT - LIGHT EMITTING DIODE (LED)**

Located on or near the dashboard area, the LED is a small red flashing light that indicates the vehicle is fitted with a security system. The LED also tells the status of the alarm, intrusion and security integrity codes;

- A) Slow flashing - system armed
- B) LED off - system off
- C) Fast flashing - 30 second auto arming countdown
- D) On permanently - system in valet mode (see page 9 for valet details)
- E) 1 flash - indicates bonnet or boot activated
- F) 2 flash - indicates ultrasonics or microwave activated
- G) 3 flash - indicates door circuit activated
- H) 4 flash - indicates impact, shock, sensor triggered
- I) 5 flash - indicates engine start attempted

**VALET MODE - L.E.D. PERMANENTLY ON**

Valet mode turns off the alarm system but still allows remote operation of the central locking if connected. Valet mode should only be used when you intentionally want to disable the alarm system such as when the vehicle is in for a service or is being parked by an attendant. To activate, turn on the ignition and press buttons one and two at the same time for over three seconds. The LED will now stay PERMANENTLY LIT INDICATING VALET MODE. To return the system to its normal state, repeat the above procedure. Valet mode is automatically cancelled after ignition on/off 5 times.

## **OVERRIDE PUSHBUTTON SWITCH     Ensure you know the location of this switch**

At the time of installation, the installer fitted a switch that is hidden under the dashboard. For better security, the override switch should be hidden so only you know of its location.

If the system fails to respond to the remote control, you can override it as follows;

1) Open the door with the ignition key – and leave the door open

You must commence 2) & 3) within 10seconds of opening the door

2) Turn on the ignition to the position where the vehicle dashboard warning lights are on

3) Press and hold the override switch until the siren stops and deactivates the system – time to hold varies between 1 & 20 seconds. The vehicle should now be able to be started.

*The override switch has no function unless the ignition is turned on.*

If the siren just chirps whilst attempting to start the engine, leave a door open, turn ignition off then on and press the override. If the indicators flash and the siren sounds fully because engine starting was attempted after being set by remote, the override will not operate - this is to prevent 'hot wiring'.

ENSURE YOUR REMOTE CONTROLS ARE FULLY FUNCTIONAL SO YOU CAN OVERRIDE THE SYSTEM.

## **2 STAGE IMPACT SENSOR**

The impact sensor is designed to detect major vehicle movement such as impact to the bodywork, vehicle towing or glass breakage. It may also be triggered by shock waves produced from loud exhausts, thunder and heavy vehicle traffic. It should not be triggered by normal wind or rocking motions. Each time the impact sensor receives a light impact, the siren will chirp a few times and indicators flash twice as a warning. If the impact sensor receives a heavier impact, the siren sounds for 30 seconds. (NSW one sounding only) The sensitivity level is set by the installer and should be at its optimum. Avoid over sensitivity as people nearby may not respond due to your alarm triggering too often through false alarms. (Impact sensors may not prevent wheel theft, we advise the fitting of locking wheel nuts)

**AUXILIARY OUTPUT**

The system provides an auxiliary output and can be connected to control an electric boot release or any other desired circuit. Pressing button two for 3 seconds activates the auxiliary output.

**IGNITION SAFETY DOOR LOCK (ANTI HI-JACKING) - PROGRAMMABLE**

If the system has been connected to a vehicle with central locking, the doors will lock 3 seconds after ignition 'on' and unlock with ignition 'off'. If a door is left open for more than 3 seconds after the ignition has been turned on the safety door lock feature will be inoperative.

**CENTRAL LOCKING - additional parts may be required, at extra cost.**

This security system has built-in relays to operate a vehicles existing central locking system by remote control. When connected, the doors will lock and unlock at the same time as arming or disarming.

**SENSOR DISABLE BY REMOTE (those connected to the side sensor port)**

There are times when you may wish to deactivate sensors such as the impact sensor to prevent false alarms through heavy traffic noise or other disturbances.

To turn off the sensor, but arm the bonnet, boot and doors, press button one as normal followed by button two. You will hear a chirp for arming followed by two tones indicating the sensors are turned off.

**NOISE POLLUTION CONTROL**

To reduce noise pollution, the M560 will isolate a triggered or faulty circuit if it is consistently triggered too many times. Reset by remote or by turning the ignition 'on' then 'off'. The indicators will continue to flash as a warning.

**PROGRAMMABLE OPTIONS** (items marked are factory default)

When the system is being installed, there are a few choices to enable or disable certain features.

Discuss these with the installer prior to installation:-

	DEFAULT	
1. Automatic (passive) arming	.....	OFF
2. Ignition safety door lock (anti hi-jack) ?	.....	OFF
3. Chirps on (can be momentarily turned off by remote)	ON	.....
4. Automatic door lock (must be auto arming to activate)	.....	OFF
5. Perimeter Nite Lite	.....	OFF
6. NSW siren timing (mandatory in NSW)	.....	OFF

- **Automatic Arming:** System will arm the bonnet, boot, doors and any other sensors 30 seconds after ignition off and last door closed. Engine is automatically immobilised at the same time. Automatic engine immobilisation cannot be turned off. (The doors will not lock unless programmed to do so)
- **Ignition Safety Door Lock:** System will automatically lock all doors 3 seconds after the ignition is turned on providing all doors are closed. Leaving a door open for more than 3 seconds during engine starting bypasses this feature. Doors will automatically unlock when turning ignition off.
- **Chirps:** The chirps can be permanently turned off. Only the indicators confirm the arming and disarming. We suggest that you use the 'silent arming by remote' feature as an alternative to turning them off - press button 2 followed by button 1 to silently operate the system.
- **Automatic Door Lock:** Doors are linked to the automatic arming function. Be sure you want this feature as you may lock the keys in the ignition when closing the doors. Only operates when automatic arming is on.
- **Perimeter Nite Lite:** Upon disarming, indicators will stay lit for 15 seconds to give exterior illumination.
- **NSW Siren Timing:** It is a mandatory requirement in New South Wales, Australia, for vehicle alarm systems to sound the siren for one cycle of 30 seconds only before it is re-set manually by remote control. With this feature turned on, the indicators will continue to flash for 5 minutes. Factory default is multiple soundings.
- **Standard Siren Timing:** The siren will sound for 3 cycles of 30 seconds if a door has been left open. After this time, the noise pollution circuits will cancel the siren sounding and the indicators will continue to flash for a further 5 minutes. Subsequent triggers will repeat this process.

## **SECURITY UPGRADES**

### **BATTERY BACK-UP SIREN (Standard equipment on model M560S)**

In place of the standard siren, a battery back-up version gives added protection against unlawful disconnection of the vehicles battery or power connection to the siren. Any attempt to do so will trigger the sirens own battery back-up. The only way to cancel this, if power interrupted, is with the special key supplied as it is designed to sound continuously.

### **DUAL ZONE MICROWAVE INTERIOR SENSOR**

Invisible radar beams protect both the interior and exterior of your vehicle. Any mass physical movement within these beams trigger the alarm. Suitable for enclosed or convertible vehicles. Radar field is adjustable for different sized vehicles.

### **ULTRASONIC INTERIOR SENSOR**

High frequency sound protects the interior of your vehicle and any changes to the environment will trigger the alarm. Only suitable for fully enclosed vehicles.

## **TESTING YOUR ALARM**

We strongly recommend that you test your alarm frequently. It takes only a short time and is very important to maximise the protection of your vehicle.

Without disarming the system, just unlock the door with the ignition key and open the door. The alarm should sound. Check the other doors , bonnet and boot by the same procedure. Also check the impact sensor by giving the vehicle varying degrees of impact - be careful to do this on areas of the vehicle not likely to be damaged by impact.

# PRODUCT WARRANTY CONDITIONS

Mongoose warrants that it will make good without charge, by repair or replacement with a reasonable equivalent, at Mongoose's discretion, any defect in the product, excluding defect in installation, submitted for claim for a period of three years from date of sale provided that;

- (a) the defect has been notified to an authorised Mongoose installation centre, distributor or agent (in the first instance to the original installation centre).
- (b) the system is less than 3 years of age from the date of sale and was manufactured within the last 4 years.
- (c) the system has been installed according to our written instructions
- (d) provision of proof of purchase and warranty registration on request.
- (e) an authorised installation centre has determined that the defect complained of is one of workmanship and not caused by;
  - (i) misuse or abuse such as misdirected current, water or fluid damage
  - (ii) operation of system after it is known to be defective
  - (iii) accident or deliberate act
  - (iv) alteration or modification of the system or its components by any party not authorised by Mongoose
  - (v) the fitting of parts or accessories not marketed or approved of by Mongoose
  - (vi) any work carried out on the system by someone other than an authorised Mongoose installation centre
  - (vii) any consequential damage
  - (viii) **if the system is installed by anyone other than an approved installer a limited parts only 12 month warranty applies**

**Warranty for the installation is borne by the original installing agent only.**

Whilst every care is taken by our installers in fitting the system, Mongoose takes no responsibility for any damage caused to a vehicle in the installation process. Responsibility is borne by the installer.

Exclusions from this warranty are;

- (i) systems operated outside the original country of purchase
- (ii) batteries, ie; as fitted to the remote controls
- (iii) normal wear and tear
- (iv) transportation of repairs or replacement parts etc. to rectification centres
- (v) faults associated with the installation
- (vi) mobile service costs for repairs
- (vii) labour costs in the removal & refitting of components

**THIS WARRANTY IS ONLY TRANSFERABLE AS SET OUT BELOW**

If the vehicle is sold, the new owner receives the balance of the warranty period between the original installation date and 3 years.

If the original owner has the system re-installed into an alternative vehicle by an authorised Mongoose installation centre, the owner receives the remaining period between the original installation date and 3 years. The installer bears the warranty for installation.

Mongoose does not by inference, intent or any other means guarantee that a vehicle fitted with one of our security systems will not be stolen, broken into, tampered with, or parts taken. Vehicle security systems are deterrents and we recommend vehicle owners to have fully comprehensive insurance and to fit other security devices such as locking wheel nuts if the vehicle has expensive wheels and tyres.



**MONGOOSE OFFICES**  
**SYDNEY, MELBOURNE, BRISBANE, AUCKLAND**

For service contact your Mongoose agent;