



MX750S

STANDARDS CERTIFIED

This product is certified to comply with the joint Australian & New Zealand Standard AS/NZS 3749.1:1997. Certificate No' 645

For full compliance, this product must be installed according to the requirements of the AS/NZS 3749.2:1997 Installation Standard

**OPERATOR'S INSTRUCTION MANUAL
&
PRODUCT WARRANTY TERMS & CONDITIONS**

MX750S REMOTE CONTROL

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,,
ULTRASONICS OR MICROWAVE. DOORS, BONNET & BOOT REMAIN PROTECTED.
*ONLY DEACTIVATE SENSORS TO REDUCE THE POSSIBILITY OF FALSE
AI ARMS*



BUTTON TWO ONLY

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

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 MX750 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 Standards Approved 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

Two remote controls are supplied with the system which enable you to arm and disarm 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.

ROLLING CODE REMOTE CONTROLS

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. Additional remote controls may be added as the alarm module can memorise up to four remote controls.

CODE LEARNING

The main alarm module has a learning capacity to memorise the remote controls programmed into it. The two remotes supplied are pre-learnt and have different I.D. codes to each other. The module can memorise up to four. If you wish to add further remotes, or a remote has to be replaced, the new remote(s) needs to be learnt into the main module. If for instance you have lost a remote, and are fearful that someone may try to use it, the lost remote can 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. 1.0~1.5 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 the vehicles' central locking is connected to the security system. The Perimeter Nite Lite feature will now light the indicators for 15 seconds for convenience and safety if this feature is programmed on (off as default).

SILENT ARMING / DIS-ARMING (ie; 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 11 on 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 and recommence on door closure.

AUTOMATIC 'DUAL GUARD' ENGINE START DISABLE

This Standards Certified security system automatically disables two engine circuits to prevent engine starting. The authorised installer of this product should advise you which circuits have been disabled. The engine will be automatically disabled 30 seconds after the ignition is turned off and the last door closed. If an attempt is then made to start the engine whilst disabled, the siren will chirp for 15 seconds. Press button one on the remote to re-engage the engine. If the system is armed by pressing the remote button, the dual circuits disable the engine immediately and an attempted engine start will cause the siren to sound fully.

SECURITY RE-ARM

The alarm will automatically re-arm if it has been disarmed by remote but a door has not been opened within 30 seconds. This is independent of whether or not automatic arming has been selected. Doors will also re-lock if the vehicles central locking has been connected to the security system.

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 mode does operate with the ignition on). To cancel the panic, press button one on the remote.

DOORS, BONNET AND BOOT PROTECTION

The siren will sound for 30 seconds each time any of these are opened when the system is armed. If one of these is left open, the siren will cycle 3 times then 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 or replacing door switches will incur extra costs.

INSTANTANEOUS ARMING / TRIGGER

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

AUTOMATIC RE-SET

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.

ELECTRONIC BATTERY BACK-UP SIREN

As the system has a 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.

The siren is mounted under the bonnet and 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 lights are intentionally 'shorted' by some one attacking your vehicle, the siren will continue 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.

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 door, the bonnet or boot 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 previously triggered.
- F) 3 Flash then permanently lit for 15 seconds - signifies system triggered & 'Perimeter Nite Lite'

CHIRP CONFIRMATION & CODES - This is an audible indication of system status.

- A) 1 Chirp - Armed.
- B) 1 Chirp pause 2nd chirp - indicates a door, the bonnet or boot is open whilst arming.
- C) 2 Chirps - Disarmed.
- D) 4 Chirps - Disarmed and indicates that the alarm has been 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. Turning the ignition 'on' resets the flash codes.

- A) Slow flashing - system armed.
- B) LED off - system off.
- C) Fast flashing - 30 second countdown of automatic functions.
- D) On permanently - system in valet mode (see page 9 for valet details)
- E) 1 flash - indicates the bonnet has been opened.
- F) 2 flash - indicates boot has been opened.
- G) 3 flash - indicates a door has been opened.
- H) 4 flash - indicates the impact/glass break sensor has been triggered.
- I) 5 flash - indicates an engine start was attempted.

VALET MODE (DASHBOARD 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 is turned on/off 5 times.

VERRIDE 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
- 2) Within 10seconds of opening the door turn the ignition on - to the position where the dashboard warning lights are on
- 3) Press and hold the override switch until the siren stops and deactivates the system – time 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.

2 STAGE IMPACT / GLASS BREAK SENSOR

This sensor is designed to detect impact to the vehicle such as to the bodywork, glass breakage or vehicle towing. It should not be triggered by normal wind, or rocking motions or frequencies similar to that of breaking glass.

Each time the sensor receives a firm impact, the siren will chirp a few times and indicators flash twice as a warning. If the sensor receives a heavier impact, the analyser circuit will determine this and sound the siren for 30 seconds. 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 too many false alarms. (This type of sensor may not prevent wheel theft, we advise the fitment of locking nuts)

AUXILIARY OUTPUT - (eg: electric boot release - if vehicle already equipped)

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 vehicles' 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 or unlock at the same time as arming or disarming. An extra cost option is to have the drivers door only unlock with the first press, and the other doors unlock with a second press within 2 seconds - see your Mongoose dealer for more details.

SENSOR DISABLE BY REMOTE

There are times when you may wish to deactivate sensors such as the impact / glass break sensor, and the optional interior microwave or ultrasonic sensors, to prevent false alarms through heavy traffic noise or other disturbances.

To turn off these sensors, 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.

DOME LIGHT SUPERVISION (extra parts may be required)

The MX750S provides additional security and convenience by turning on the interior dome light when the alarm system is disarmed. The interior light will illuminate for 30 seconds or is cancelled when the ignition is turned on. When 'panicking' the alarm, the dome light will flash once momentarily during the panic sequence. The vehicle must be equipped with a dome light for this function to operate.

NOISE POLLUTION CONTROL

To reduce noise pollution and possible false alarms, the MX750S will isolate an individual circuit if it is consistently triggered. Reset by remote or by turning the ignition 'on' then 'off'.

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PROGRAMMABLE OPTIONS

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 have 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.
- **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.
- **Standard Siren Timing:** The siren will sound for 3 cycles of 30 seconds if a door, the bonnet or boot 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
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 interior environment will trigger the alarm. Only suitable for fully enclosed vehicles.

POWER WINDOW LIFTERS

When you arm the security system this upgrade will automatically wind up the vehicles electric windows.

PAGER

If you are uncertain that some one will respond to the security systems siren, then a pager is for you. If the alarm is triggered, this unit will page you direct from the vehicle to your belt receiver usually up to 1km range (depending on the model of pager).

TESTING YOUR ALARM

We strongly recommend that you test your alarm frequently or visit your Mongoose agent to verify the continuing correct operation of this product. Without disarming the system, 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. 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. Also when in the vehicle with the doors shut, arm the alarm and then try to start the engine to test the engine immobiliser - it should not start.

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 defects in the 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 alarm is less than 3 years of age from the date of sale.
- (c) the alarm has been installed according to the AS/NZS 3749.2:1997 Installation Standards and/or 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 a genuine product defect and not caused by;
 - (i) misuse or abuse such as misdirected electrical current, water or fluid damage
 - (ii) operation of alarm after it is known to be defective
 - (iii) accident or deliberate act
 - (iv) alteration or modification of the alarm 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 alarm by someone other than an authorised Mongoose installation centre
 - (vii) incorrect installation or any other consequential damage

NOTE: If the alarm 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 alarm, 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) alarms operated outside the original country of purchase
- (ii) batteries, i.e. as fitted to the remote controls
- (iii) normal wear and tear
- (iv) freight costs of repairs or replacement parts etc. to rectification centres
- (v) faults associated with the installation
- (vi) mobile service costs for repairs
- (vii) cost of removal & refitting defective parts

THIS WARRANTY IS ONLY TRANSFERABLE AS SET OUT BELOW

If the vehicle is sold, the new owner receives the remaining 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.

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;



This product is manufactured, tested and certified to comply to the joint Australian and New Zealand Standard AS/NZS 3749.1:1997.

Certificate Number: 645

Manufactured for: Mongoose (Australia) Pty Ltd

Make & Model Number: Mongoose MX750S

Country of manufacture: Taiwan R.O.C.

Supply voltage: 12v DC nominal – negative ground

Current consumption: 0.3amps (depending on alarm accessories)

Suitability: All vehicles with 12v negative earth batteries

Date of manufacture: Refer date code on alarm module