



MAP77

CanBus Vehicle Security System

User Manual

CANBUS >>

MONGOOSE MAP77 CANBUS Vehicle Security System VSS

Features:

- the MAP77 VSS is controlled by OEM remote controls (vehicle's original equipment)
- trunk release button logic (*OEM remote transmitter operated),
- monitoring of all doors, trunk, bonnet switches,
- vehicle interior protection when used with Sensor
- automatic power window roll-up (*) when the VSS is armed (comfort function),
- VSS can be armed without: interior sensor protection (*), additional sensors (*), power window roll-up(*),
- warning if door / trunk / bonnet is open when arming (*) (door ajar),
- selectable silent / audible (*) confirmation of arming and disarming,
- passive arming (*) w/wo automatic central door locking (*),
- ignition safety door lock (*) - automatic central door locking / unlocking during drive
- coded / uncoded (*) emergency override procedure without remote transmitters,
- Service mode
- Warning if the alarm was triggered when disarming the VSS,
- state of the system is memorised in non-volatile memory and is preserved during power-off,
- the source of 5 previous alarm cycles is kept in non-volatile memory,
- compatible with different types of sirens: Basic and Battery backup siren,
- REARMING function,
- VALET mode - Vehicle Security System temporary disabled,
- PANIC input (*) - prealarm signalisation input,

IMPORTANT!

The (*) symbol describes optional function/feature of the VSS which is dependent on the vehicle model and VSS configuration.

USER MANUAL

ARMING THE MAP77 VSS

Press the LOCK button on the remote - direction indicators blink and single siren chirp (*) confirms the vehicle security system is arming and the central door locking is locked. The LED will light constantly and after 10 seconds it will start to blink slowly.

ARMING WITH INTERIOR MOTION DETECTOR AND ADDITIONAL SENSOR DISABLED

If the MAP77 VSS is armed with any person or animal in the vehicle, their movement will trigger the alarm. To avoid such situation, the system can be armed without interior motion detector and additional sensors.

To do so, before arming the system - press and hold the PA button until the LED starts to blink rapidly. Exit the vehicle, close all doors and press the LOCK button of the remote - two siren chirps confirm arming without interior motion detector and additional sensor. Direction indicators blink confirms the vehicle security system arming and the central door locking is closed. The LED will light constantly and after 10 seconds it will start to blink slowly.

DISARMING AND OPENING THE CENTRAL DOOR LOCKING SYSTEM

Press the UNLOCK button of the remote - blink of the direction indicators and double siren chirp (*) confirms disarming of VSS and unlocking central door locking system. The status LED will start blinking until any door is opened and then will go off.

If the alarm was triggered during the driver's absence, the VSS signals it with three siren chirps.

IMPORTANT!

If after disarming neither doors nor trunk is opened within 30 seconds the system rearms automatically.

TRUNK RELEASE BUTTON LOGIC

In case of remote control with trunk release button TRUNK RELEASE its press will open the boot and turn off the protection on trunk switch, interior motion detector and additional sensor. and the sliding doors (in Van vehicles - rear left and rear right). That state is confirmed by fast blinking of the LED. Depending on the vehicle, closing the boot/slide doors or press of the LOCK button on the OEM remote brings the security system again into armed state, signalled by slow LED pulses.

IMPORTANT! This feature is car dependent.

REARMING

After disarm, the LED will start blinking. If neither doors nor trunk were opened within the specified time, the disarming is treated as accidental and the VSS will rearm again, closing the central door locking system. If any door or trunk were opened, the rearming countdown is cancelled and the LED goes off. Rearming time can be configured to: 30, 60 or 90 seconds.

DOOR OPEN WARNING (WHEN ARMING) - DOOR AJAR

If any doors, bonnet or trunk is not closed when arming, the VSS signals it with three siren chirps. The system will be armed, but the opened door / bonnet / trunk will not be monitored (will not trigger the alarm).

ALARMING / DISARMING THE VSS DURING THE ALARM / PREALARM

If the VSS is armed and any door, trunk or bonnet switch, additional sensor, ultrasonic motion detector or ignition is triggered, the VSS starts a 30-second alarming cycle - blinking the direction indicator lights and emitting sounds with electronic siren. From triggering of the alarm till disarming the system with remote the LED blinks quickly, 2 times faster than in untriggered armed mode. After 30 seconds, the system stops the alarm cycle. Further triggering of sensors starts another alarm cycle. Every input can cause up to 4 alarm cycles and then it is blocked.

During alarm cycle, pressing LOCK button ends the alarm, but the vehicle remains locked and the VSS remains armed. During alarm cycle, pressing UNLOCK button stops the alarm, disarms the VSS and opens the vehicle. If the PREALARM function is present, the device signals prealarm triggering by 4 siren

EMERGENCY DISARMING OF THE SECURITY SYSTEM

MAP77 CAN has a procedure of emergency disarming the security system in case the remote control is inoperative or not available (not working or lost).

In order to disarm the system with PIN code:

1. Open the door with the key (the alarm will sound).
2. Turn the ignition on.
3. Press the PA button number of times equal to the first digit of your PIN code (intervals between pressing of PA button have to be less than 2 seconds).
4. Wait 2 seconds - the VSS confirms entering of PIN code digit via 1 second LED blink.
5. Repeat steps 3-4 for each of the remaining 3 digits of your PIN code.

If the PIN code is correct the alarm will disarm itself

The default PIN is 1111. The code can be individually programmed for a given car by installer during installation procedure.

PASSIVE ARMING (*) / AUTOMATIC CENTRAL DOOR LOCKING (*)

On a demand, the passive arming (*) with or without automatic central door locking (*) can be enabled. Passive arming function arms (switches on) the VSS automatically.

With the ignition off, opening and closing driver's door starts the timer of **passive arming** procedure. It is signalled by a single siren chirp. 12sec. later, the alarm arms automatically, signalling it with LED, siren chirp (*) and hazard lights. The central door locks remain unlocked driver can still get into the vehicle. Passive arming can be stopped if the UNLOCK button is pressed in the 12sec. period after closing driver's door. Cancel of passive arming is signalled by double siren chirp - passive arming will not occur.

If the **automatic central door locking** (*) is enabled, the door locking occurs 8sec. after passive arming of the VSS and is signalled by single siren chirp.

During that 8 seconds period between passive arming and automatic locking, press of the LOCK button locks the vehicle (confirmed by single siren chirp); press of the UNLOCK button disarms the VSS, unlocks the vehicle and cancel the passive arming.

The sequence of events (first passive arming with chirp, then automatic central door locking) prevents from locking the keys inside vehicle.

CODED PA BUTTON AUTHORISATION

The coded PA button authorisation procedure is common for authorising the immobiliser function and anti-hijack function. If both functions are active, it is enough to enter the code once - both immobiliser and anti-hijack will be authorised. The number of tries is not limited.

- LED signals that the immobiliser/antihijack function is active.
- Press the PA button number of times equal to the first digit of your PIN code.
 - after first press of PA button the LED goes off and stops signalling active state of immobiliser/anti-hijack function.
 - intervals between pressing of PA button have to be less than 2 seconds
- Wait approx. 2 seconds - the VSS confirms entering the digit of PIN code with short blink of LED.
- Within 3 seconds, start entering 2nd digit of code with PA button.
- Repeat the steps for digits 3 and 4.
- If the PIN code entered is correct the LED will light-up for 2 seconds, confirming the authorisation of immobiliser/anti-hijack function.
- If the code was not correct, after 3 seconds the LED starts to display the active state of immobiliser/anti-hijack function.
- In case of mistake, wait 4 seconds until the LED starts to display the active state of immobiliser/anti-hijack function and then start the sequence from the beginning.

VALET MODE

In case the car has to be left in a workshop, there is a possibility to set the VSS in so-called valet mode. The staff of the service does not need to be informed about the VSS, because it is disabled and thus, the alarm, the ANTI-HIJACK and the IMMOBILISER functions do not work. The vehicle in valet mode is not protected and the engine can always be started.

When entering valet mode, the VSS has to be disarmed and the ANTI-HIJACK and IMMOBILISER functions have to be authorised.

Entering valet mode

1. Turn the ignition on.
2. Press the PA button 7 times (pause between press should be less than 1 second).
3. The single blink of LED and 4 siren chirps confirm entering the valet mode.

Leaving valet mode

1. Press the PA button 7 times. (The ignition does not have to be on)

In valet mode, every attempt to arm the system with the remote or resetting the power supply to the VSS is signalled with 4 siren chirps. The LED is constantly off. If the OEM remote is used, only the central door locking is closed, but the VSS remains disarmed.