



MODEL MS2007

VEHICLE SECURITY SYSTEM

OWNER'S MANUAL

Congratulations on your purchase of this Ungo System. Please read this manual thoroughly to familiarize yourself with your system's components and operation. Discuss any questions you might have with your Ungo dealer.

Record the serial number of your Ungo System and keep all dealer records and receipts. Be sure to discuss the installation with the dealer so that you understand the specifics of the installation in your vehicle.

CAUTIONS

- **USE OF THE UNGO MS2007 IS THE RESPONSIBILITY OF THE OWNER.**
- **KEEP THE REMOTE TRANSCEIVERS OUT OF THE REACH OF CHILDREN.**
- **THE UNGO MS2007 IS NOT INTENDED FOR USE ON VEHICLES EQUIPPED WITH A MANUAL TRANSMISSION.**
- **BE SURE THE TRANSMISSION IS IN PARK BEFORE LEAVING THE VEHICLE.**
- **ONLY REMOTE START THE VEHICLE IN A WELL VENTILATED AREA.**

About Your Ungo System

The Ungo MS2007 is a state-of-the-art combination vehicle security and remote controlled car starter system. The MS2007 offers security features designed to deter and detect potential intrusions to your vehicle. It will alert and inform the driver and people in the vicinity of your vehicle when a zone is violated.

The MS2007 will inform the user of any defective zones while arming, and in the event that the system is triggered, the MS2007 transceiver will even specify which zone was violated. The MS2007 protects both you and the contents of your vehicle with features such as panic mode, dome light illumination, and ignition controlled door locking.

In addition to its security features, the MS2007 will safely start your car by remote control, without your key in the ignition. If your vehicle is powered by a diesel engine, the MS2007 will turn on the ignition for several seconds prior to starting the engine, in order for the glow plugs to warm up.

Once the MS2007 has started the engine, it will turn on your preset accessories (heater/air conditioner) to provide you with the maximum comfort when you enter your vehicle. After activation, the MS2007 will allow the vehicle to run for approximately 15 minutes (or 30 minutes if selected by your installer at the time of installation) before automatically shutting off.

Each Ungo MS2007 System comes with:

- **Main Unit**
- **One 4-Button LCD Remote Transceiver (Two-way Transmitter and Receiver)**
- **125dB Siren**
- **Extended Range Antenna**
- **Status LED**
- **2 Stage Electronic Shock Sensor**
- **Emergency Override / Valet Switch**

Safety Features

- **Brake Pedal Shutdown** - Shuts down the remote start when the brake pedal is pressed.
- **Hood Pin Switch Protection (optional)** - Prevents the engine from being started while the hood is open.
- **Valet Mode** - Prevents the vehicle from remote starting when being serviced.

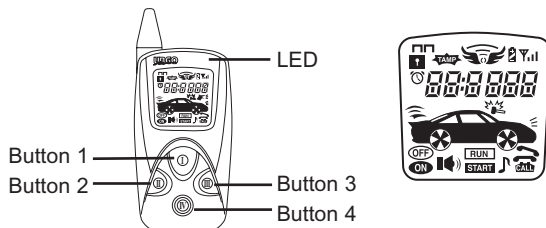
Options and Convenience Features

The advanced design of the Ungo system incorporates a number of optional inputs and outputs allowing you to create a customized security / convenience system by easily accommodating many optional convenience and security features such as:

- **Remote Door Locking**
- **Remote Window Control**
- **Power Trunk / Hatch Release**
- **Glass Breakage Sensor**
- **Radar Sensor**
- **Back-up Battery**

Remote Transceiver

Remote Transceiver Layout



The Ungo MS2007 comes with a multi-function LCD Remote Transceiver featuring two-way communication with the vehicle. Each time a remote button is pressed, the LED will flash and the remote will beep to indicate that a transmission is taking place. If the remote is within two-way communication range, the LCD will display the status of the system. The remote is also equipped with a built-in chime that will play a tune as confirmation of some features such as remote starting, clock setting, etc.

Button 1 Arms and Disarms the system. This button also activates the system's Panic feature.

Button 2 Activates the system's Remote Start feature.

Button 3 Activates the system's Auxiliary Function, commonly used for trunk release.*

Button 4 Confirms the system's status. This button also activates the LCD backlight for night time use.

LCD Display

The MS2007 Remote Transceiver is equipped with an LCD panel that displays the system's status information. If the remote is within range of the vehicle and a button is pressed, or the vehicle is tampered with, the LCD display will show what action is taking place. The LCD display is backlit for easy viewing at night and will illuminate when Button 4 is pressed, or when confirmation of any action is reported by the vehicle.

Setting the Clock

The remote transceiver has a built-in clock that displays the current time.

To set the clock:

1. Press remote Button 2 and Button 3 simultaneously for two seconds.
 - The remote will beep twice.
 - The LCD will show **CLOCK**.
2. Press remote Button 2 to set the hour.
3. Press remote Button 3 to set the minutes. Hold Button 3 to advance the minutes rapidly.
 - The hour will be displayed followed by either an "A" or "P" to indicate AM or PM.

4. Press remote Button 4 to save the time setting.
 - The remote will play a tune to confirm the time is set.

System Status Check

To check the current status of your system, press Button 4 on the remote for 2 seconds. The LCD will display *CONFIRM* followed by the current status of the system. The vehicle must be within range for this feature to operate.

Disabling the Remote Confirmation Tunes

To disable the remote confirmation tunes:

1. Press and hold remote Button 4 until *SOUND* is displayed.
 - The remote will beep three times.
2. Release Button 4.
 - The remote will show *ON* and *OFF*.
 - The remote will provide a beep confirmation when buttons are pressed, but the tunes will be disabled.

Battery Replacement

Your Ungo Remote Transceiver uses a standard AAA battery, which will need to be replaced from time to time. Under normal conditions, the battery should last for up to three months before it needs replacement. When your remote's battery is in need of replacement, the battery symbol on the LCD display panel will flash. To change the battery, slide down the battery cover on the back of the remote and insert the new battery. Make sure the positive and negative terminals are positioned correctly and replace the cover.

Adding a New Transceiver into the System

Have the desired remotes ready (up to 2) and follow the steps below:

1. Turn the ignition on, off, on, off, on within 4 seconds.
 - The siren will chirp once.
2. Press and hold the Valet switch for 2-3 seconds.
 - The siren will chirp 3 times.
3. Press Button 1 on each remote.
4. Turn off the ignition.

Any transceivers that were previously learned to this system and not included in this procedure will no longer operate this system.

Additional Remote Transceivers


Additional Remote Transceivers for your MS2007 are available from your Authorized Ungo dealer.

Security Features

Remote Arming

When Armed, the system monitors and protects 3 independent areas, or **zones**, including the doors, hood/trunk, and shock sensor.


To Arm the system:

1. Turn off the ignition.
2. Press Button 1.
 - The siren will chirp once.*
 - The doors will lock.
 - The parking lights will flash once.
 - The LCD will show  and *ARM*.
 - The LED will flash, indicating the doors, hood and trunk inputs are activated.

* The siren chirp(s) during Arming will alert you the condition of the system and vehicle when the system is armed.

1 chirp	=	normal arming
1 + 3 chirps	=	door, hood, or trunk open



During Arming, if the system detects a bad sensor or an open zone, the system will ignore that input, but keep all other areas protected.

If the shock sensor detects a light impact to the car, the siren will sound 5 chirps to warn away the potential intruder. The remote will display *HORN* and the  icon.

While the system is **Armed**, the system will trigger if:

- The doors are opened.
- The shock sensor detects an impact to the vehicle.
- The hood or trunk is opened.

When triggered, the siren will sound, and the parking lights will flash and the horn will honk (if connected). The remote will display the triggered zone on the LCD:

- If the door is open the LCD will display *DOOR*.
- If the trunk is open the LCD will display *TRUNK* and the  icon.
- If the shock sensor is triggered the LCD will display *SHOCK* and the  icon will animate.


If the same input triggers the system 3 times during a single arming cycle, the system will bypass that input, keeping the other zones protected until the next time the system is armed.

Remote Disarming

To Disarm the system:

Press Button 2.

- The siren/horn will chirp twice.*
- The doors will unlock.
- The parking lights will flash twice.*

- The LCD will show  and *ARM*.
 - The LED will turn off.
- * The siren chirps and light flashes during disarming will alert you if the system had been triggered while armed.
- | | | |
|----------------------|---|-------------------------------------|
| 2 chirps / 2 flashes | = | normal disarming |
| 3 chirps / 3 flashes | = | Tamper Alert - system was triggered |


Silent Arming / Disarming

Your system may be optional configured to Arm and Disarm silently. This feature must be programmed by your Authorized Ungo dealer.

Passive Arming

The system is pre-programmed for *Passive Arming*. The system arms itself automatically, each time the ignition is turned off and all of the doors, hood and trunk are closed.

To start the Passive Arming Process:

1. Turn off the ignition.*
2. Open the door and exit the vehicle.
 - Once all doors are closed and the dome light is turned off, the LED will begin to flash.
3. After 30 seconds,
 - The siren will chirp (if Passive Arming with chirp is selected).
 - The parking lights will flash.
 - The doors will lock.**
 - The status LED will flash red, indicating the system is armed.
 - The LCD will display  and *ARM*.
4. The system is now armed.

* The ignition must have been on for *at least 10 seconds* before the Passive Arming sequence will begin.

** If the Passive Locking feature is selected.

This feature may be disabled by your Authorized Ungo dealer.

Remote Sensor Bypass

The system can be set up so that in case of extreme weather conditions (such as high winds), the shock sensor can be temporarily bypassed using the remote, while the system is Armed, to prevent false alarming.

To Bypass the sensors:

1. After Arming the system, press remote Button 2 within 2 seconds.
 - The siren will chirp indicating the sensors have been bypassed.
2. The sensors will remain bypassed until the next time the system is armed.

Panic Mode

Allows you to instantly trigger the alarm in an emergency situation using the Remote Transceiver.

To enter Panic Mode:

1. Press and hold Button 1 for 3 seconds.
 - The siren will sound.
 - The LCD will show *PANIC*.
2. Press Button 1 again to stop panic.

If Panic Mode is not stopped by the Remote, it will automatically time out after 45 seconds, and the system will return to its prior Armed/Disarmed state.

Emergency Override

In case your Remote Transceiver becomes inoperable, or it is lost or stolen, you can still enter and drive your car by using the following procedure. Be sure that you have your ignition keys ready and that you know the location of the Override switch before you perform this procedure.

To override the system:

1. Unlock the door using the key.
2. Enter the vehicle.
 - Because the system is Armed, the system will trigger and the siren will be sounding.
3. Turn ignition key on.
4. Press and hold the Override switch.
 - The system will Disarm.
5. You can now start and drive the car.

Automatic System Rearming

This feature insures the security of the system by protecting your car in case of an accidental Disarm. If your system becomes Disarmed due to an accidental press of the Arm/Disarm Button, the system will automatically rearm if no other activity is detected within one minute. The Passive Door Locking feature will also relock the doors.

Any of the following will cancel Automatic System Rearming:

- Turn on the Ignition.
- Open the Trunk or Hood.

Automatic System Rearming is independent of Passive Arming and only takes place if the system was Armed (actively or passively) and then Disarmed by the Remote Transceiver.

Automatic System Rearming and Passive Arming may be disabled by your Authorized Ungo dealer.

Remote Start Features

Remote Starting

To Remote Start the System:

1. Be sure the System is not in Valet Mode.
2. Press Button 2.
 - The LCD will show *START*.
 - The parking lights will turn on.
 - The siren will chirp 3 times (if the system is Armed, the shock sensor will turn off).
 - The ignition will turn on.
 - The engine will start and run for the duration of its programmed Run Timer.*
 - The heater or air conditioner will turn on (if turned on prior to exiting the vehicle).
 - The LED will double flash.
 - The LCD will show *END THE RUN*.

***If the engine fails to start on the first attempt, it will repeat the starting procedure 2 more times.**

Turning on the ignition key then pressing the brake pedal will disengage the MS2007 and allow you to operate and drive your vehicle in a normal manner.

Shut Down

Any of the following will shut down the engine when it is under Remote Start control:

1. Press Button 2 for 3 seconds.
 - After the engine shuts down, the doors will lock (if installed and programmed).
 - The LCD will show *OFF*.
2. Press the brake pedal.
3. Open the hood (or trunk if connected).
4. Completion of the timed run cycle (Remote Start Time-Out).

Stop and Go

The Stop and Go Feature allows you to remove the ignition key and exit the vehicle while keeping the engine running during short stops.

To leave the vehicle running:

1. Press the brake pedal and hold.
2. While pressing the brake pedal, push Button 1 on the remote.
 - The LED will double flash.
 - The parking lights will flash 5 times.
3. Release the brake pedal.
4. Remove the key from the ignition switch.
5. You may now exit the vehicle, arm the alarm and lock the doors.

To re-enter the vehicle and resume driver control:

1. Disarm the alarm by pressing Button 1 on the remote.*
 - The doors will unlock.*
2. Turn on the ignition.
3. Press the brake pedal to disengage the MS2007.
 - The LED will turn off.

*If optional keyless entry feature is installed.

Auto Cold Starting

The Auto Cold Starting Feature automatically starts the vehicle every two hours and runs for the preset Run Time. This feature must be programmed by your Authorized Ungo dealer.

To enter Cold Start Mode:






1. Be sure ignition is off.
2. Press and hold the brake pedal and Valet switch.
3. Continue holding then press remote Button 2, then release.
 - The parking lights will flash 5 times.
 - The engine will start and run for 30 seconds then shut down.
 - The LED will quadruple flash.
4. The system will remain in Cold Start Mode until the vehicle is started using the remote or the Cold Start Feature has completed 12 run cycles.


Note: Pressing the brake pedal will also turn off the Auto Cold Starting Feature.


Timed Remote Starting

The Timed Remote Starting Feature automatically starts the vehicle at the user's programmed time of day. This programmed time will start the vehicle one time. This feature needs to be programmed for each use.

To program a Remote Start time:

1. Press remote Button 2 and Button 3 simultaneously for four seconds.
 - The LCD will show  and .
2. Press remote Button 2 to set the hour.
3. Press remote Button 3 to set the minutes. Hold Button 3 to advance the minutes rapidly.
 - The hour will be displayed followed by either an "A" or "P" to indicate AM or PM.
4. Press remote Button 4 to save the time setting.
 - The remote will play a tune to confirm the alarm clock is set and LCD will display ,  and .

- When the alarm goes off, the remote will show  and will emit an alert tone for 10 seconds or until Button 4 is pressed.

To cancel the Timed Remote Starting feature before the selected time, repeat step 1 then press remote Button 1. This will turn off the Timed Remote Starting feature and emit a confirmation tone and display  .

Other Features

Valet Mode

Allows you to temporarily disable the security system when the car is being serviced or turned over to a parking attendant.

To turn Valet Mode on or off:

1. Turn on the ignition.
2. Press and hold the Valet switch for 3 seconds.
 - The siren will chirp once and the LED will turn on solid to indicate you have turned Valet Mode on.
 - The siren will chirp twice and the LED will turn off to indicate you have turned Valet Mode off.
4. Release the Valet switch.

While Valet Mode is on, the LED will light solid and you can continue to lock and unlock your doors with the remotes, as well as operate the Auxiliary Function.

Ignition Controlled Door Locking / Unlocking

For added convenience and safety, this feature automatically locks your car's doors 2 seconds after the ignition key is turned on and unlocks your doors when the key is turned off.

To prevent you from accidentally locking your keys inside the car:

- The system will not automatically lock the doors if a door is open when the ignition key is turned on.
- The system will not automatically lock the doors if a door is opened during the first 2 seconds after the ignition key is turned on.

Dome Light Control

The dome light will turn on for 30 seconds when the system is Disarmed (or unlocked in Valet Mode) using the remote.

Auxiliary Function




This function will operate regardless of whether the system is Armed or Disarmed. To operate the auxiliary function, press Button 3.

- The LCD will show .

Setting the Alarm Clock

The built-in alarm clock function plays an alert tone at the selected time.

To set the Alarm Clock:


1. Press remote Button 2 and Button 3 simultaneously for four seconds.
 - The LCD will show **ELDER** then show  and **ELDER**.
2. Press remote Button 2 to set the hour.
3. Press remote Button 3 to set the minutes. Hold Button 3 to advance the minutes rapidly.
 - The hour will be displayed followed by either an "A" or "P" to indicate AM or PM.
4. Press remote Button 4 to save the time setting.
 - The remote will play a tune to confirm the alarm clock is set and LCD will display  until the tune stops.
 - When the alarm goes off, the remote will flash  and will emit an alert tone for 10 seconds or until Button 4 is pressed.

To cancel the Alarm Clock feature before the selected time, repeat step 1 then press remote Button 1. This will turn off the alarm clock and emit a confirmation tone.

Paging the Remote from Inside the Vehicle

In the event that someone is waiting inside the vehicle, the remote can be paged in an emergency.

To page the remote:

1. Press and hold the Override switch for 5 seconds.
 - The remote will display **CALL** and the  icon will animate.
2. Press Button 4 on the remote to clear the page.

Ungo Security Corporation

A Clarion Company
661 West Redondo Beach Blvd.
Gardena, CA 90247
800-Go-Clarion
www.clarion-usa.com