

# EagleMaster

Automotive Security System

FOR AUTOMOBILES, TRUCKS, VANS & SUV'S.

## Instruction Manual

# LT-5200

MODEL:  **5200-A** - 2/3 button remote

**5200-B** - 4 button remote

### SYSTEM FEATURES:

1. Two hopping code transmitters
2. Arm/Disarm the system
3. Silent Arm/Disarm
4. Arm connection memory
5. Starter (engine) disable
6. Panic mode
7. Auto-rearming
8. Ignition on safety door lock
9. Plug-in function LED
10. Passive or Active Arm
11. 1 or 2 pulse unlock
12. Passive arming
13. Passive immobilizer
14. Defective zone alert/bypass
15. Trunk release output
16. 2-stage shock sensor
17. Remote sensor bypass
18. User programme mode
19. Parking light flasher
20. Doors lock/unlock relays
21. Code hopping system
22. Built-in shock sensor detect
23. Alarm triggering counter
24. Valet mode

#### IMPORTANT:

Please read the entire manual for complete details on the features, accessories and operation before attempting to use your security system.

This Security system must be installed by a qualified technician to ensure proper operation. Do not attempt to install or modify this system yourself as this way void your warranty.

**SAVE THIS MANUAL FOR FUTURE REFERENCE**

## REMOTE FEATURES:

### 2-Button Remote Function Table:

Functions	Step	Condition
Arm / door lock	Press  once	Disarmed & ACC off
Arm without siren chirp	Press  for over 2sec.	Disarmed & ACC off
Disarm / door unlock	Press  once	Armed
Disarm without siren chirp	Press  for over 2sec.	Armed
Panic mode	Press  +  once	Armed & Disarmed
Anti car-jack mode	Press  +  once	ACC ON
1st sensor bypass	Press  once within 8sec. Of armed	Armed
All sensor bypass	Press  twice within 8sec. Of armed	Armed
Trunk open	Press  +  over 2sec.	ACC OFF

### 3-Button Remote Function Table:

Functions	Step	Condition
Arm / door lock	Press  once	Disarmed & ACC off
Arm without siren chirp	Press  for over 2sec.	Disarmed & ACC off
Disarm / door unlock	Press  once	Armed
Disarm without siren chirp	Press  for over 2sec.	Armed
Panic mode	Press  once	Armed & Disarmed
Anti car-jack mode	Press  once	ACC ON
1st sensor bypass	Press  once within 8sec. Of armed	Armed
All sensor bypass	Press  twice within 8sec. Of armed	Armed
Trunk open	Press  over 2sec.	ACC OFF

### 4-Button Remote Function Table:

Functions	Step	Condition
Arm / door lock	Press  once	Disarmed & ACC off
Arm without siren chirp	Press  for over 2sec.	Disarmed & ACC off
Disarm / door unlock	Press  once	Armed
Disarm without siren chirp	Press  for over 2sec.	Armed
Panic mode	Press  over 2sec.	Armed & Disarmed
Anti car-jack mode	Press  over 2sec.	ACC ON
1st sensor bypass	Press  once within 8sec. Of armed	Armed
All sensor bypass	Press  twice within 8sec. Of armed	Armed
Trunk open	Press  over 2sec.	Anytime

## PROGRAMMABLE FEATURE

Some of the operating settings of this unit are programmable. The programmable mode setting dictates how the unit operates. It is possible to access and change any of the feature settings using the Valet switch.

### To enter the system programmable mode setting:

1. Disarm the system.
2. Ignition. Turn the ignition on, then back off.
3. Within 10 seconds, press Valet switch on-off for 5 times.
4. Siren will provide 2 short chirps follow with 1long chirp , to mean the system entering programmable mode.
5. The times of Valet switch pressing is according to the function mode item number and it will give chirp sound to indicate the function status. To judge it as per LED indication (times of flashes).
6. While LED flashing ( item number flashing), to programming the feature "ON" by pressing the button  once, siren give 1 chirps; to programming the feature "OFF" by pressing the button  once, siren give 2 chirps.

**Note:** Once the programming feature has been programmed by pressing the button, the system will auto jump to next programmable item number.

### Programmable function table

\* Means factory default setting before delivery

Item No.	Functions	Press  ON	Press  OFF
1	Passive Immobilizer	YES	*NO
2	Passive arming with Door locking	YES	*NO
3	Passive arming without Door locking	YES	*NO
4	Door switch arming delay	*7sec.	45sec.
5	Door lock/unlock time 0.8/4 seconds	*0.8sec.	4sec.
6	Ignition ON (10sec. )automatically door lock	*YES	NO
7	Door unlock pulse output	*1 pulse	2 pulse
8	Siren & Horn honk output	*Siren	Horn
9	Valet / PIN code emergency disarm	*Valet	PIN
10	Parking lights pulse output A pulse (normal car) B pulse (Hazard switch)	*A pulse	B pulse
11	B pulse - Arming light time Press  to select time pulse	*1-chirp 0.3sec.	2-chirp 0.4sec.
		3-chirp 0.5sec.	4-chirp 0.6sec.
12	B pulse - Disarming light time Press  to select time pulse	*1-chirp 0.6sec.	2-chirp 0.7sec.
		3-chirp 0.8sec.	4-chirp 0.9sec.

## STANDARD FEATURES :

**1. To Arm the system:** To arm your system within proper operation range, simply press button (A) once. The system will respond one siren chirp, one lights flash, doors lock, disable engine starter and controller to close all windows. LED flash once per second to show the system is in arming mode.

**SILENT ARM:** To hold (A) button for over 2 seconds (in disarmed), light flash one but no chirp sound, other functions are the same as Arm. (This feature to prevent noise in silent area)

**DEFECTIVE ZONE BYPASS:** If armed, the system responds extra siren chirps, it indicating that one of the zone is not close properly. The different siren chirps to identify. **(1)Chirps 4times: Door's not closed (2) Chirps 5times: Trunk or Hood not closed.** The system will bypass that zone and still protect other zones.

**AUTO RESET:** If a violation occurs the system will respond by sounding the siren and flashing the lights for approximately 29sec. before the system resets itself and continues to protect your car. If violation still occurs the system, siren and lights will working for 6 cycles then the system reset itself and continues to protect other zones.

**2. To Disarm the system:** To disarm your system within proper operating range, simply press button (B) once. The system will respond two siren chirp, two light flash, doors unlock, enable your engine starter, LED off.

**SILENT DISARM:** To hold (B) button for over 2 seconds (in armed), light flash twice but no chirp sound, other function are the same as Disarm. (This feature to prevent noise in silent area)

**INTRUSION ALERT:** Extra disarm chirps are the Intrusion alert. If the system is armed and the vehicle was attempted or intruded. The unit will chirp 5 times and flash 5 times when disarming. The status LED flashing times to indicates which was triggered, please see under table.

Quick flash 2 times after a pause	Sensor 1st stage triggered
Quick flash 3 times after a pause	Sensor 2nd stage triggered
Quick flash 4 times after a pause	Door triggered
Quick flash 5 times after a pause	Hood/Trunk triggered
Quick flash 6 times after a pause	Ignition switch triggered

**3. Remote Trunk Release:** Press button: 2key (A+B) / 3key (3) / 4key (D) for over 2 seconds then trunk will automatically opened, when system armed, if remote trunk release will not trigger alarm and sensor detect will shut off, but ignition switch and doors keep arming condition. After close trunk for 5 seconds, trunk and sensor trigger will return to arm status.

**4. Panic Mode:** Press button: 2key (A+B) / 3key (3) once. or 4key (E) for over 2 seconds If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter. Press for 2 second, and you will enter Panic mode. The siren will sound and the parking lights will flash for approximately 30 seconds. To stop Panic mode at any time, press any button once on the remote.

**5. Auto Re-Arming :** If the system is disarmed by remote and a door is not opened within approximately 30 seconds the system will automatically rearm itself. This feature guards against disarming caused by accidental or unintended operation of the remote transmitter. **Note:** it will not auto re-arm, if a door open within this 30 second mark.

**6. Alarm Trigger :** During arming, if turn on ignition, open door, etc..alarm will trigger in order to stop the offender.

**\*When triggering 1st stage sensor:** Siren / Horn gives 1 long chirps to pre- warning.

**\*When triggering 2nd stage sensor:** Siren/Horn and the parking lights will activate for 29 seconds.

**\*When triggering IGN, door, hood or trunk and etc. :** Siren/Horn gives 29 seconds sound and light flash 29 seconds. After alarm triggering there is 2 seconds pulse. The alarm will detect to see if it is recovered to normal arming condition. If it is not, the alarm will trigger again.

**7. Remote Sensor by Pass :** The alarm offers two stage sensor optional. Within 10 seconds after set arming, to press (A) button once, siren/horn will chirp twice, thus the 1st stage sensor bypassed, to press (A) button twice, siren/horn will chirp 3 times, thus all sensors will be shut off and no sensor working for arming protection.

**8. Valet mode :** You can prevent your security system from automatically arming and triggering by using Valet mode. This is very useful when washing the vehicle or having it serviced. In Valet mode, the security system will not arm, even with the remote transmitter, but remote door lock / unlock will continue to work normally.

**To enter or exit Valet mode:** Turn the ignition on. Within 10 seconds, press and hold the Valet switch for over 5 seconds, the status LED will light ON to indicate that the system is in Valet mode.

On the contrary, exit the Valet mode, the status LED will light off to indicate that the system is in alarm mode.

**9. Emergency Disarm :** In arming condition, if remote is lost or damaged, the owner can enter the car by using the key to open the door, the alarm will trigger at this time. Turn Ignition ON and within 10sec, press and hold Valet SW for over 5 seconds, the system will turn disarmed and into Valet mode.

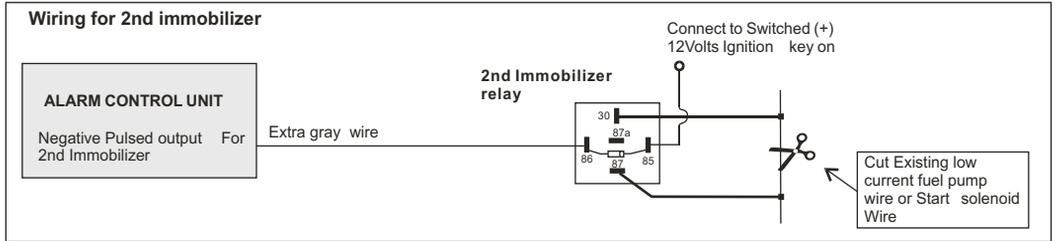
**10. Passive arming : (programmable)**

This system also can be to arm itself automatically (called passive arming). If the system programmed for passive arming, it will automatically arm 30 seconds after the ignition is turned off and the system "sees" you leave the vehicle by opening and closing a door. Whenever the system is in its 30-second passive arming count-down, the status LED will flash fast as it does when the system is armed. The system armed and the doors lock (if programmed with passive door locking) at the 30 second mark.

**2 step disarm:** This system offers 2 step disarm. It's a feature that make it possible to silence and reset the system while it is triggering, without disarming the system. If the system is triggered and the siren has been sounding, pressing any button once on the remote transmitter will stop the trigger and return the unit to the armed state.

**Passive immobilizer :** .If programmed with Passive immobilizer feature, after driving and turn off ignition for 30 seconds or you open and close door in 30sec. The system it will disable the starter function right way. The status LED will flash twice after a pulse. To disarm this function, simply press (🔑) button once or turn Ignition on ,within 10 seconds press and hold Valet SW over 3sec. to disarmed.

**2nd Killer Output:** This feature can be controlled separately of the engine disable. This output (-500mA) is working when system disarmed. 40A relay is required and go with 40A relay (N/O & COM) output connection required.



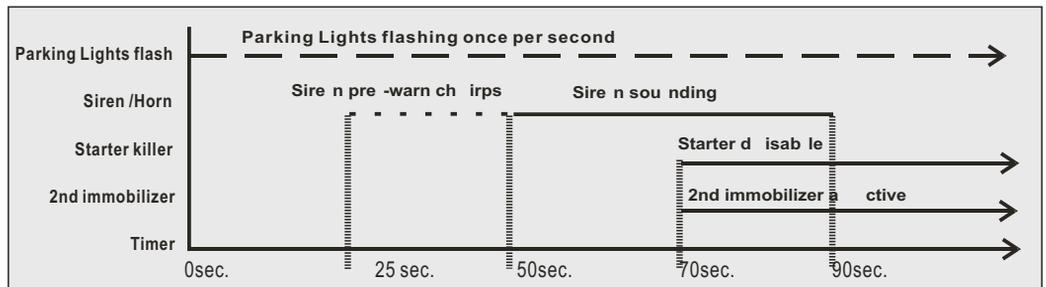
**Power disconnecting Memory :** Alarm is built in memory on main unit. Generally, after alarm unit power is cut and reconnect, main unit will read back these data make the alarm to resume. When in disarm, arm or valet mode, power off then on again, alarm will read back original position.

**Safety Door Lock/Unlock :** If set programmed with this feature (set by jumper 2) turn Ignition ON after 10 seconds the doors will auto locked , but within this 10 seconds the door has been opened this feature will be cancelled. When turn Ignition OFF, the doors will unlock for take off service.

**Built Shock Sensor Sensitivity Adjusting :** This system offer two stage shock sensor built in main unit. You may adjust sensitivity when necessary. There are 10 scales for sensitivity adjusting : First scale means the most sensitivity and last (the 10th) scale means the last sensitivity. Factory default sets the sensitivity in the middle(5th scale).

1. Disarm the system , turn ignition from ON to OFF position and within 10 seconds, press and hold the Valet SW for over 3 seconds. Until Siren/horn give 1-short and 1-long chirp to confirm enter in this mode.
3. **Adjusting to more sensitive zone :** to press (🔑) button once , more over 1 scale to more sensitive side. As a response, light will flash once and siren/horn will chirp once. If it is adjusted to the most sensitive scale, there will be no more sound given.
4. **Adjusting to less sensitive zone :** to press (🔑) button once , move 1 scale to the less sensitive side. As a response, light will flash once and siren/horn will chirp once. If it is adjusted to the most sensitive scale, there will be no more sound give.
5. During adjusting, you may push car for sensitivity testing : If it is suitable for 2nd stage setting, alarm will chirp twice. If it is suitable for 1st stage setting, alarm will chirp once.
6. To exit the mode by : Turn ignition ON or within 10 seconds there is no remote adjusting, nor push testing. .

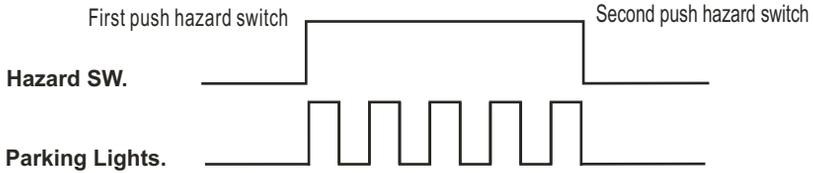
**Anti Car jacking :** When driving the car, you can enter the anti car-jack mode by transmitter. Press button 2key (🔑+🔑) / 3key (🔑) once. or 4key (🔑) for 2sec., The parking lights will start flashing to show the car is entering anti-jacking mode . Please see under anti car-jack mode table.



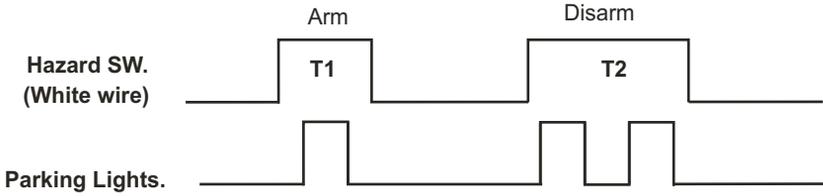
**Exit :** To exit the anti car-jack mode, simply press (🔑) button once will turn off the mode.

D-pulse: Hazard switch), if programmed with D-pulse output, the parking lights output (any white wire) is connected to the car's hazard switch. White/red wire connect to the (+12V or - Ground) , for the signal power source of hazard switch.

The pressing of hazard switch creates stable electrical signal, when the signal is present, the parking lights are flashing.



Using this method, the alarm imitates car's hazard sw. button clicks. Connecting the alarm's white wire to the hazard sw. button.



Arm the system, alarm is generated T1 length pulse. During the time of T1, it must only take one turn on of parking lights. If T1 time is too short, parking lights will not flash. If T1 time is too long, parking lights will flash more than one time.

This T1 time length can be programme 0.3~0.6sec.

Disarm the system, alarm is generated T2 length pulse. During the time of T2, it must only take two parking lights flashes. If T2 time is too short, parking lights will not flash. or flash only once. If T2 time is too long, parking lights will flash more than two time.

This T2 time length can be programme 0.6~0.9sec.

## Changing of the PIN code to turn off the system

This system provide 2 digit PIN code, each digit code can be programme from 1 to 9 , and manufacturer code is ( 1.2). To program your new PIN code as follows:

1. Enter the system into the Valet mode .
2. Turn ignition switch from ON to OFF .
3. Within 10 seconds, press the Valet switch on-off for 5 times.
4. Siren/Horn will provide 2 long chirp to confirm the system is in PIN code setting mode.

### << Suppose that you want set new PIN code is 3.8 >>

5. To programme the 1st PIN code by press the Valet button the number of times corresponding to the 1st digit of your PIN code. Press 3 times of the Valet button, (each time the Valet button is pressing, the chirp sound will be given) .
6. Waiting 1sec. until the LED flash once. To confirm the 1st digit has been inserted.
7. To programme the 2nd PIN code by press the Valet button the number of times corresponding to the 2nd digit of your PIN code. Press 8 times of the Valet button, (each time the Valet button is pressing, the chirp sound will be given) .
8. Waiting 1sec. until the LED flash once. To confirm the 2nd digit has been inserted.
9. It will give 2 chirp sound and then LED will notify the 2 digit PIN code, by 3 flashes - pause - 8 flashes.
10. To Exit the mode, turn ignition to ON , or within 20sec. It will exit and in Valet mode.

#### **Note:**

Please notice that the time between your actions shall be less than 20 sec; otherwise the system will automatically

## Emergency disarming of the system using the PIN code:

To use the PIN coded disarming mode . Please contact your installation technician or see Functions to be programmed section and the Installation manual. If the system triggering on, you can use the manufacturer code (1.2) or to provide the maximum arming of your car you can program your own PIN code for disarming at any time. The code comprises two digit; each digit can vary from 1 to 9.

### To disarm the system using the PIN code

1. Open the door with the key (the system will be triggered and the parking lights will go on and so on).
2. Turn on the ignition .
3. Press the Valet button the number of times which is in accordance with the first digit of your PIN code (the manufacturer setting is 1 time). Each time the Valet button is pressing, the LED will activated .
4. Waiting 1sec. until the LED flash once.
5. Press the Valet button the number of times which is in accordance with the second digit of your PIN code (the manufacturer setting is 2 time). Each time the Valet button is pressing, the LED will activated .
6. Waiting 1sec. until the LED flash once.
7. System will automatically disarmed and into the Valet mode.

#### **Note:**

If you enter the wrong code , turn off the ignition then start from step #2.

## HOW TO USE CODE LEARNING :

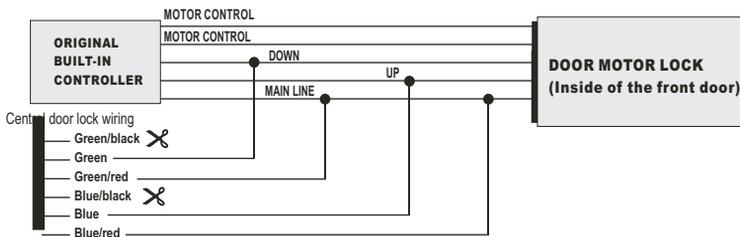
This system can expand 4 different transmitters, and comes from factory with two transmitters already programmed into the system memory. Whenever you want to add or delete transmitter code of the system, the procedures are as following :

1. Disarm the system. Turn ignition switch to ON .
2. Within 10 seconds, press valet switch on-off for 5 times.
3. Siren/Horn will provide 1 long chirp to confirm the system is in code learning mode.
4. To press any remote button, code learning achieved if it gives one short chirp.
5. To turn off learning mode :
  - (1) Turn off ignition switch.
  - (2) Four transmitters have been successfully learnt already
  - (3) Within 10 seconds , there is no new transmitter be learnt.

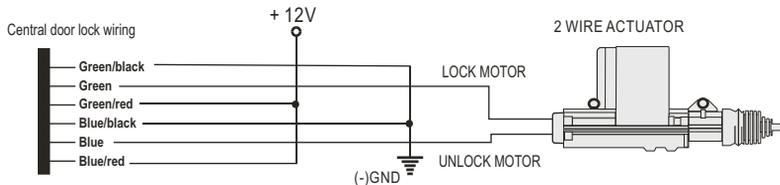
**Note:** Every time learning new transmitter , formal code (old transmitter) will be erased, hence you have to learn again .

## CENTRAL DOOR LOCK WIRING:

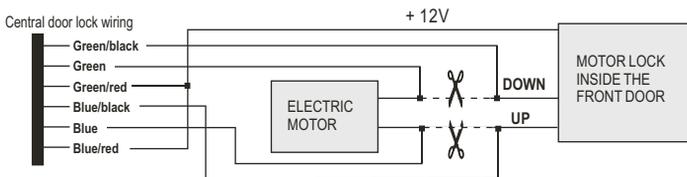
### 1.) For Factory installed central door lock system



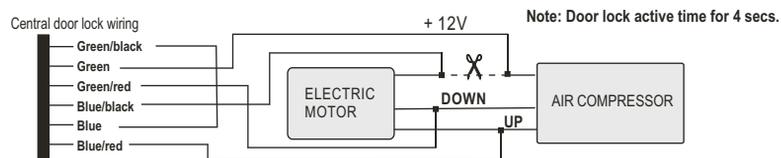
### 2.) Directly connect to 2 wire Actuator



### 3.) A built-in Central door lock with electric lock switch( like: CHRYSLER..)



### 4.) For vacuum type central door lock system ( like : Mercedes Benz , AUDI..)



# System wiring diagram

