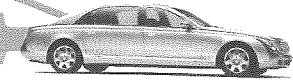
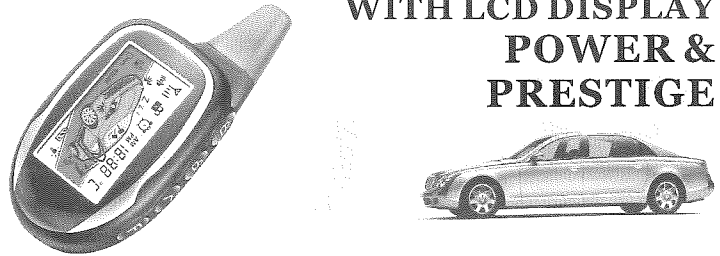


FM
FM TWO WAY
SYSTEM WITH
LCD DISPLAY
POWER &
PRESTIGE





























INSTRUCTION MANUAL



FM TWO WAY SYSTEM
WITH LCD DISPLAY
POWER &
PRESTIGE



INSTRUCTION MANUAL

Quick Reference Guide



BUTTON	FUNCTION
 LOCK	(a) Press the button  ,Siren will chirp once and lights flash once. (b) If equipped with central door lock, doors lock automatically. (c) Alarm is armed, meanwhile L.E.D blinks (d) Window will rise at the same time. (System will give output signal to power window for 12 seconds)
 UNLOCK	(a) Press the button  , Siren will chirp 2 times and lights flash 3 times, if in mute alarm mode, siren will not chirp, lights flash 3 times. (b) Doors unlock automatically. (c) Alarm is disarmed and returns to its normal status. (d) If nobody enters the car in 20+/5seconds after the system is disarmed, doors will be locked automatically again and system gets into armed mode automatically.
F +  KEY BOARD LOCKING	(a) In any mode, press F +  for 3 seconds for key board lock and unlock transition. (b) If the key is lock, the screen will show  , when pressing any key, buzzer will "BI-BI", and the  icon on screen will flash, but remote will not transfer any signals.
 TRUNK RELEASE	In disarming mode, press  for 3 seconds. If succeed, the remote will sound once.
 MUTE ALARM ON/OFF	In any mode, press  +  at the same time, siren chirp once, indicating mute mode. Press  +  again, siren chirp twice, indicate normal mode.
 CAR FINDING	Press  once, the siren will sound and lights will flash for 15 seconds to locate the car. Press  again to stop. If in mate alarm mode siren will not sound,lights will flash.
"F" REMOTE DISPLAY BACKGROUND COLOR SETTING	(a) In any mode, press "F" button for 3 seconds, the remote will give one BI sound to indicate the REMOTE SIGNAL CHOICE MODE. (b) Press  to choose the background color (Red, Green, Orange). (c) After 3 seconds, the remote will exit the mode and record the present setting.
 VALET MODE	(a) At disarming mode, press  +  at the same time, the siren will chirp once indicating the valet mode. The "ZZZ" icon will appear on the screen. (b) When in Valet Mode, all alarm functions are bypassed. However, the remote central door locks will remain operational. (c) Press  +  , the system will exit Valet Mode and return to normal mode.
F +  VABRATION	In any mode, press F +  , you can choose remote reminding mode: (a) Vabration mode (b) Vabration and sound mode (c) Sound mode

BUTTON	FUNCTION
"F" CLOCK & ALARM CLOCK SETTING	The default setting for the clock is: AM 18:00, for the alarm clock is: AM:18:00 (The alarm clock will work after you set this function). (a) In any mode, press "F" button for 6 seconds, the remote will give BI-BI voice. This indicates the CLOCK & ALARM CLOCK SETTING mode and the icon will flash . (b) Press the button  to decrease or increase the Hour and Minutes digit. (c) Press  to choose the setting of HOUR, MINUTES of the clock column, and HOUR, MINUTES of the alarm clock column (d) The Hour and Second digit of the clock and alarm clock flashes for adjusting. (e) 3 seconds after the setting,the system will exit automatically

















JUMPER SETTING



FUNCTION	JP Position	METHOD
Auto Arming Operation (Option)	JP1	Short circuit (production inside setting)
Electronic / Air Compressor Lock	JP2	Electronic Lock: Open circuit Air compressor Lock: Short circuit
Hints for alarm (Option)	JP3	Short circuit

NOTE:

- 1.THE SYSTEM IS SET IN JP2 OPEN CIRCUIT (ELECTRONIC LOCK) MODE DURING PRODUCTION.
- 2.ICON OF INDICATING SHORT CIRCUIT & OPEN CIRCUIT. ( << SHORT):( << OPEN)
3. DO ALL SETTING IN NO POWER SUPPLIED CONDITION, OTHERWISE WORKLESS.


LCD Panel Layout

 Alarming	 Sending signal	 Back ground light
 Lock / Arm	 Mute alarm	 Alarm clock function
 Unlock / Disarm	 Battery life 	 Direction light
 Bump	 Door open	 Clock
 Vibration mode	 Trunk open	 ACC trigger


Note: when  appear  , or remote sounds every 10 minutes, please change the battery.

FUNCTIONS

ARM(AUDIO)




When pressing , alarm system is in arming mode: siren will chirp once and parking lights flash once, central door locked, the remotes screen will flash automatically, engine locked. (System will give output signal to power window for 12 seconds)

DISARM



To disarm system, press , alarm system is disarmed:

1. In sound mode, siren chirp twice, parking lights flash 3 times,
2. In mute mode, siren will not chirp, parking lights flash 3 times, central door locked.
3. If no body enters the car within 20+/-5 seconds after disarm the system, the car door will be locked again and system enter arming mode.







KEY BOARD LOCKING

In any mode, press **F+**  for 3 seconds for key board lock and unlock transition. If the key is lock, the screen will show , then when pressing any key, buzzer will "BI-BI" and the  on screen will flash, but remote will not transfer any signals.


CENTRAL DOOR LOCK

In driving, press  and  can lock and unlock car door, after proper closing of car door before driving, turn ACC to ON position, press footbrake after 15 seconds, car door will lock automatically. The car doors will be automatically unlocked when the key is taken out of the ignition. Please note: The doors will not be locked automatically if the ignition key is not turned to the ACC position or if the doors are not closed properly.


MUTE ALARM

Press  and  at the same time once, siren will chirps once and enter mute mode, press  and  again, siren chirp twice, normal alarm. In mute mode, siren will not chirp when press  and . When in mute alarm mode, if triggered by shock sensor, LCD flashes, siren will not chirp, if entering the car illegally, the siren will sound immediately, and will sound 25+/-5 seconds before entering arming mode again.

AUTO-REARMING

When press , but if nobody enter the car, doors will be locked automatically after 25+/-5 seconds and be back to arming mode

STOP SIREN TEMPORARILY

If alarm system is triggered, press  to stop the siren temporarily but the alarm system is still on arming mode.

MAIN UNIT TRIGGER STATUS

If the alarm is triggered in arming mode, there are two kinds of siren chirps:

1. If the car body is bumped slightly, the siren will chirp with intermission for 5 seconds (without chirps in mute mode)
2. The siren will chirp continuously for 25+5 seconds if car doors are opened or the engine is start on.



REMOTES TRIGGER STATUS

When system is triggered by bumping slightly, remotes buzzer will chirp slowly, while if car doors are opened or engine starts on, remote buzzer will chirp in a hurried mode. If remote is not read by user in time, remote buzzer will remind user to check by BI-BI intermittently for about 10 minutes, and the LCD display will show the triggered parts.

WARNINGS OF IMPROPER CLOSED OF DOORS

If the doors are not closed properly, the lamps will keep flashing for 15 seconds in order to give warnings to the cars behind.

PANIC, CAR SEARCH





Press the button  in normal arming mode, the siren will chirp and lights will flash for 15 seconds. Press again to stop. Press  in silent arming mode, the siren will not sound and lights will flash for 15 seconds. Press again to stop.






This feature can also be used as a searching function to locate the vehicle in a large parking lot.

VIBRATION RECORD

If the car is bumped, the system will take a record about the vibration of the car and will give warning to the car owner by beeps when the alarm system is disarmed, so that the car owner can check the car inside and outside to make sure about the safety of the car.

ANTI-HIJACKING(Optional)

(A) When driving, the key on ACC ON position. Press  +  button, the parking lights flash quickly (This is stand-up for anti-hijacking mode). And then pressing  button within 5 seconds, the system is into anti-hijacking mode, the parking lights keep lighting. And the engine will be cut off after 15 seconds and siren keeps sounding, parking lights flashing. Press  to stop the function.

(B) When driving, the key on ACC.ON position. Press the  +  button, the parking lights flash quickly (This is stand-up for anti-hijacking mode). And then pressing button  within 5 seconds, the system is into anti-hijacking mode, the parking lights keep lighting; Press the button  again, the engine will be cut off immediately and siren keeps sounding, parking lights flashing. Press  to stop the function.

SPECIAL FEATURES

TWO STAGE SIREN VERIFICATION

If the car body by bumped slightly, then L.E.D keep lighting and the parking light flash and the siren will only chirp 5 times.

If the car body by bumped continuously or the car door is opened, the siren will keep chirping for 25+/-5 seconds.


ELECTRONIC LOCK

Jp2 on main unit PCB open circuit means electronic lock, short circuit for air compressor Lock.

AUTO-ARMING (OPTIONAL)

The system will be on arming mode automatically 1 minute after parking car. Parking lights will flash intermittently during 1 minute and after 1 minute the car door will be locked. JP1 short circuit: Auto-arming mode

TRUNK RELEASE FUNCTION

In any mode, press the button  3 seconds for this function.

HINTS FOR ALARM

After the doors are closed for 10 seconds, alarm system will give 4 BE-BE voice to remind to owner lock the system.

VALET MODE:

The valet mode allows you to temporarily bypass all alarm function, eliminating the need to hand your remote to parking attendants or garage mechanics. When the system is in Valet Mode, all alarm functions are bypassed. However, the remote central door locks will remain operational.

1. At disarming mode, press $\square + \wedge$ at the same time, the siren will chirp once indicating the valet mode. The "ZZz" icon will appear on the screen.
2. Press \square and \square , central door lock will be locked and unlocked.
3. Press $\square + \wedge$ again, siren chirps twice, and exit valet mode.

REMOTE DISPLAY BACKGROUND COLOR SETTING

- (a) In any mode, press "F" button for 3 seconds, the remote will give one BI sound to indicate the REMOTE DISPLAY BACKGROUND COLOR SETTING MODE.
- (b) Press \square to choose the background color (Red, Green, Orange).
- (c) After 3 seconds, the remote will exit the mode and record the current setting.

CLOCK AND ALARM CLOCK SETTING

The default setting for the clock is: AM 18:00, for the alarm clock is: AM:18:00
(The alarm clock will work after you set this function).

- (a) In any mode, press "F" button for 6 seconds, the remote will give BI-BI voice. This indicates the CLOCK & ALARM CLOCK SETTING mode and the icon will flash.
- (b) Press the \square button to decrease or increase the Hour and Minutes digit.
- (c) Press \square to choose the setting of HOUR, MINUTES of the clock column, and HOUR, MINUTES of the alarm clock column
- (d) The Hour and Second digit of the clock and alarm clock flashes for adjusting.
Press the \square , the system will record the current setting and exit this setting mode.

LERANING CODE MODE

In this mode, the safety and reliability of the system are greatly increased for coding times over 1 million. New code learning procedure:

During disarming status, stay inside the car, close the door properly, then step always on the foot brake, open the door (now the lamps flashing); turn the ignition key from OFF-ON--OFF-ON-OFF-ON position 3 times, and keep ON position (now the lamps keep lighting). Press any key of the remote control; the sirens will chirp 3 times, indicating that a new code is stored. This system can be learnt up to 4 remote.

NOTE: All operating should be finished within 5 seconds; otherwise the system will cancel this learning.

Store another remote control code by repeating the same procedure.

REMOTE CONTROL CODE CANCELLATION

If the remote control is lost, it is necessary to cancel the remote control's code in the brain module for safety reason.

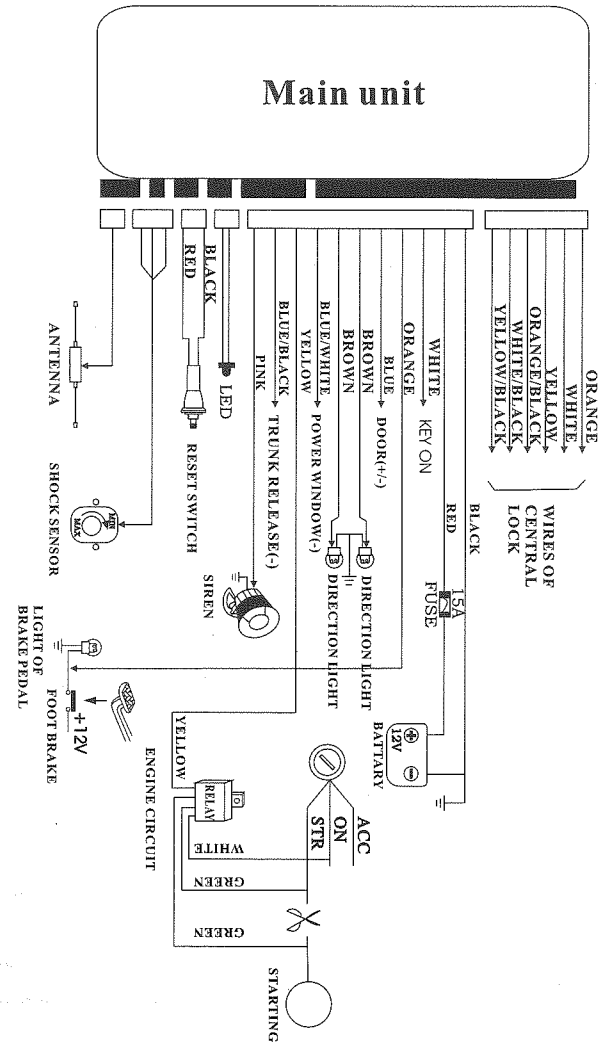
(a.) During the disarming status, enter the car, keep the door closed, step always on the foot brake, then open the door. Now the lamps flash.

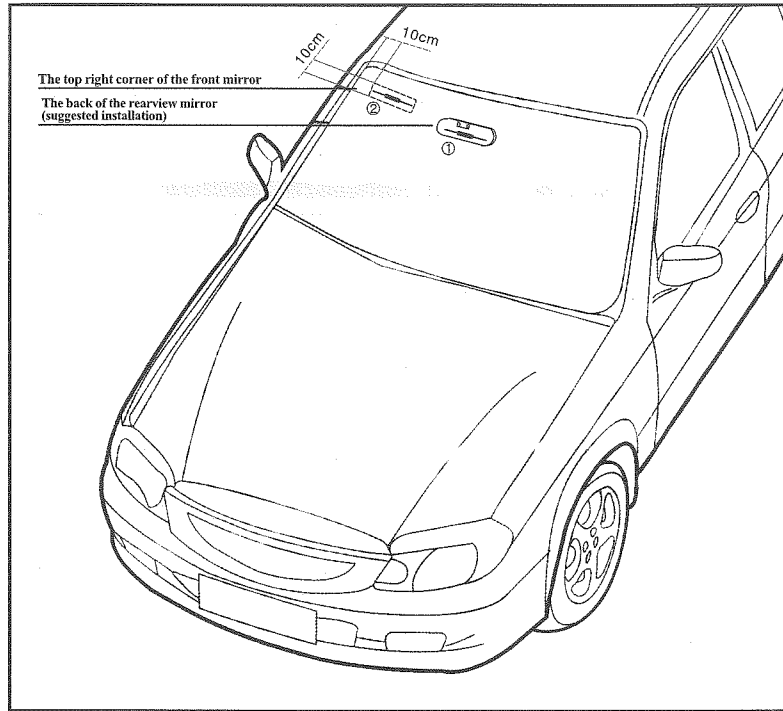
(b.) Turn the ignition key from OFF-ON-OFF-ON-OFF-ON-OFF-ON-OFF-ON-OFF 5 times, and keep OFF position. Now the lamps keep lighting, and the sirens chirp 3 times after 3 seconds, indicating that all control's code is cleared from the system.

VABRATION

In any mode, press $F + \wedge$, you can choose remote reminding mode:

- (a) Vabration mode
- (b) Vabration and sound mode
- (c) Sound mode



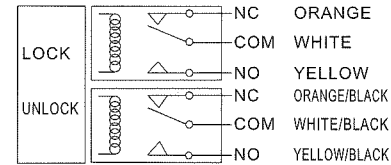


Antenna Installation—

1. If the front mirror is not equipped with solar film, please stick the antenna whether at the top right corner of the front mirror or at the back of the rearview mirror.
2. If the front mirror is equipped with solar film, please stick the antenna at the top right corner of the front mirror. (Please cut the solar film strictly according to the broken line showed in the picture)
3. If the whole car is equipped with solar film, please stick the antenna at the back of the rearview mirror.
4. Please make sure that the antenna is 10 cm away from the metal parts, or else the antenna will be affected.

Central Lock Installation Guide

Lock



Negative type

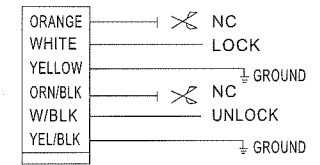
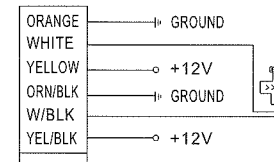
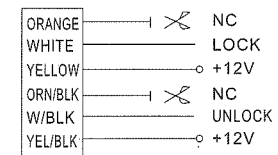


FIG1(PULSES)

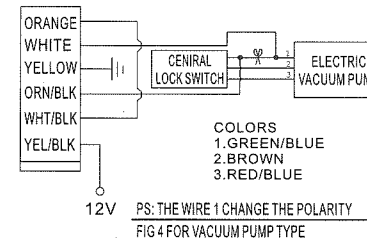
Reverse polarity type



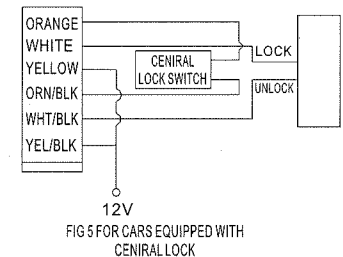
Positive type



Air-operated central door lock



Motor-operated central door lock



SYSTEM INSTALLATION GUIDE

MAIN UNIT CASE INSTALLATION:

The main unit is suggested to be placed under the panel. After fixing the main unit in a suitable place, start connecting the wires in accordance to the **WIRE CONNECTING DIAGRAM** before putting back all the parts, simply test the system function first.

SHOCK SENSOR INSTALLATION

Install the sensor after fixing the main unit. It is recommended to place the shock sensor near the car doors, or beside the panel so as to easily detect any intrusion actions. To adjust the sensitivity of the shock sensor, simply use a screw to turn the button in the shock sensor, turning right to adjust with a higher sensitivity or vice versa. Then test the sensitivity by triggering the shock sensor. If it triggered, the L.E.D will light up. Please do not directly hit the shock sensor.

CENTRAL LOCK INSTALLATION GUIDE

This system can control several common central lock types without any additional parts.

TYPE A:

For cars equipped with no central lock, recommended to install it first. (See FIG 1)

TYPE B:

For cars equipped with central lock but no motor on driver side, add master motor and rod. (See FIG 2). This type of installation is applicable to operate factory lock system in some FORD, Mitsubishi, Mazda, and Nissan models.

*Installation tips: First install the actuator near the door's manual latch, and then fix the rod of the actuator on the manual latch

TYPE C:

For cars equipped with central lock and with motor on the driver's side. (See FIG 3)

TYPE D:

The door locks are controlled by electrical activated vacuum pump. (See FIG 4). The timing of actuator mechanism can be set as 0.7 seconds or 3 seconds at the JP2.

For some Mercedes-Benz and Audi models.

TYPE E:

The original car is equipped with central door lock system (in the cab) (See FIG 5).

TYPE F:

For some cars not mentioned above, please consult your dealers.

NOTE: Type B installation method (FIG 2) is suitable for most of the cars.

SPECIFICATION OF ELECTRONIC

MAIN UNIT

Output current: signal light: 5A*2, siren 10A, central lock 10A

Coding: learning code

Voltage: 12+/-2V

Static Current: <30mA (except indicator, sensor)

Shock Sensor Current: <1mA

Frequency: 430MHz~432 MHz

REMOTE CONTROL

Voltage: 1.5V

Current: 75uA

Battery: 1.5V AAA

Frequency: 430MHz~432MHz

Coding: learning code

Coding times: > 1 million

TROUBLE SHOOTING

The remote control does not work.

*Check the battery level. It is suggest to replacing a new battery each year.

*Check if the remote control is moisten or crash.

The remote control does not make the main unit work.

*Check the battery level in the remote control.

*Check if the remote control is moisten or crash.

*Check if the frequency of the remote control is changed.

*If possible, use another control for comparison. If both of them do not work, then check the main unit and the wire connection. (Do not open the main unit for checking)

The central lock does not work.

*Check if the actuators are working.

*Check wire connection

*Check if the fuse of the main unit is damaged.

The siren does not sound when the system is triggered.

*Check if the sirens are available.

*Check the wire connection between the siren and main unit.

The siren keeps chirping while the main unit installs.

*Check if the socket is insert converse or check the wires connection or the CPU safety fuse.

*If back up battery is used, check if the switch is positioned at ON status.

The alarm sounds 10 seconds after the vehicle is armed, same problem keeps happening again.

*Check if the shock sensor is too sensitive.

*Check if the door pin switches are damaged.

*Check wire connection.

The alarm is easily triggered when a heavy vehicle is passing through.

*Check if the shock sensor is too sensitive.