



USER MANUAL

CAR ALARM SYSTEM


It is recommended that before installation please read this user manual carefully. And keep it for future reference!

PKE Car Alarm User Manual


Transmitter button functions:

			
Arm	Disarm	Mute Arm	Car Finding


Arm:

Press the button “” on the transmitter once, the siren would chirp once, the flash lights would gleam once, the central lock would lock up automatically, power windows would roll up automatically within 15sec(longest time). After 3 seconds, the LED indicator would gleam, ACC ON, side doors and footbrake would be detected; after 8 seconds, the shock sensor would start detecting.






Disarm:






Press the button “” on the transmitter once, the siren would chirp twice, the flash lights would gleam twice, the central lock would unlock automatically, the system enters into disarming mode. When PKE function is OFF, in disarm mode, if the car doors doesn't be opened within 25 seconds, the system will automatically enter into arming mode.

Mute Arm:

Press the button “” once, the siren is mute, the flash lights would gleam once, the central lock would lock up automatically, power windows would roll up automatically within 15sec(longest time). After 3 seconds, the LED indicator would gleam, ACC/ON, side doors and footbrake would be detected; after 8 seconds, the shock sensor would start detecting.

Car Finding:




Press the button “” or “” for 2 seconds in disarm or arm status. the siren would beep and the flash lights would gleam both for 15 seconds, press the button “”, “” or “” to stop.

Press the button “” once or “” for 2 seconds in mute arm status, only the flash lights gleam for 15 seconds, press the button “”, “” or “” to stop.


Functions:

Basic functions:

1.In arm

In arm, the system will be triggered while the door is opened by force, the vehicle is hit or towed up, the siren would chirp loudly, the flash lights would gleam, the engine would be cut off. The siren would stop chirping automatically after 28 seconds, the system would re-arm again. When the siren chirps loudly, press the button “”, “” and “” to stop chirping while the system is still in arm mode.

2.Remote Trunk Release

Press the button “” for 2 seconds to release the trunk by remote control.

3.Trigger Mode ID Function: (2-stage shock sensor)



In arm status, if the system was triggered, it has three kinds of warnings:


- (1). If triggered by lightly hitting, the siren would chirp 10 times while the flash lights would gleam 10 times, the engine would be cut off, if car is hit lightly again within 5 seconds, the system will identify it as a heavy hitting.
- (2). If triggered by heavy hitting, the siren would chirp intermittently for 28 seconds while the flash lights would gleam, the engine would be cut off.
- (3). If triggered by door opening, footbrake pad is pressed or engine starting, etc, the siren would chirp continuously for 28 seconds.




4.Microwave Sensor (Optional)

When microwave sensor is working and if it detects there are people around the car, it will give alarming. This sensor would start to work after the system in arm for 3 seconds. After 8 seconds, it would start detecting.



5.PKE Manual Anti-Hijacking Function

- (1). Activate PKE Manual Anti-Hijacking function by PKE remote control and PKE is on: when driving, turn the car key to ON position, press the button “” once, the flash lights would gleam quickly, this enters Pre-anti-Hijacking state. Press the button “” again within 15 seconds, then system is in PKE

Anti-Hijacking mode, the siren chirps, the flash lights would also gleam quickly, the engine will be cut off after 30 seconds. If the button “” is pressed after alarming, the system would enter Auto anti-Hijacking mode(refer to auto anti-Hijacking function), the system would exit the anti-Hijacking function only by PKE remote control or use other types of remote control to disarm.

(2) Shut off PKE Manual Anti-Hijacking function by PKE remote control when PKE is ON: when driving, turn the car key to ON position, press the button “”, the flash lights would gleam quickly. Press the button “” again within 15 seconds, then system is in anti-Hijacking mode, the siren chirps, the flash lights would also gleam quickly, the engine will be cut off after 30 seconds. Only press the button “” to disarm this function.

6. Central Door Lock System Automatically

(1). When driving, press the button “” or “” once to make the remote control central lock system lock or unlock ,however the alarm system is not working at the same time.

(2). Close well doors before driving, turn the key to ACC ON, after 12 seconds, the footbrake pad is pressed down and the doors would be locked automatically, this function avoid car doors from being locked without anyone in the car.

(3). When getting off the car, take off the car key, the car doors would unlock automatically, which is convenient for getting in or off the car.

(4). Note:

When ACC OFF, if the car doors closed well, the central lock would lock up automatically after arming by hand or PKE transmitter arming automatically.

When ACC OFF, if the car doors are unclosed well, the central lock would lock up after 45 seconds by PKE transmitter arming automatically.

7. Re-arm

After disarm, if the door is not opened or engine is not started within 25 seconds, the system will be in arm again; This function could avoid wrong disarming. Note: this function can only be in operation when PKE function is off or use other types

of remote control.

8. LED Indicator

A. In Arm: LED Indicator is gleaming intermittently.

B. Warning: LED Indicator is on for a long time period.

C. Auto Anti-Hijacking: LED Indicator is on for a long time period.

9. Intruding Warning

In arm status, if doors, ACC ON have been triggered and car owner does not know. But when disarm, the siren would chirp more 3 sounds to warn that there might be thief in the car, preventing from being hijacked in the car.

10. Power off Memory

When power off and later on again, the system can remember and remain the status before power off. This function make sure that system alarms effectively, and brings no trouble when car repair. (Note: no matter PKE is on or off or Anti-Hijacking function is on , power-off memory remains valid).

11. Door unclosed well warning & Dome light delay

In arm, car doors will be detected at all times, if doors are not closed well, the siren would chirp three times quickly. The siren will warn by chirping if doors are still not closed well after 45 seconds. This function is to prevent being identified falsely doors being opened by force for cars with dome light, which indicates owner to close the doors well, and close the doors well before setting the system in arm.

12. Arm Reminding

When parked, the car key is turned from ON to OFF, 10 seconds after doors are closed, the flash lights would gleam three times and the siren would chirp three sounds, indicates owner to set the system in arm.

Note: Arm reminding function only works while PKE is off.

13. Emergency Disarm

(1) In arm, if lost the transmitter, owner may use car key to open the door, then system would give warning, at this time owner can turn the car key from OFF to ON repeatedly for 10 times, the siren would chirp twice, the flash lights would gleam twice, the central door lock would be unlocked, the car alarm

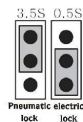
system is disarmed, owner can drive the car as normal. This can only works under arming mode, but doesn't disarm it while it is in auto anti-Hijacking mode.

(2) In auto anti-Hijacking mode, and lost the transmitter, owner may turn the key to ON and press the reset switch for 1 second to disarm the system. By this way, owner can disarm all modes of arming. For safety, the reset switch must be hidden well or not be installed.

Note: If PKE is on previously, the above two emergency disarm methods will cancel PKE function for a while. Once the system detected that owner pressing the sensing remote control, the system will turn on PKE function automatically.

14. Electric/ Pneumatic Central Lock (optional)

Factory default setting is electric lock, the outputting time of central door lock is 0.5 second(JP1 short circuit ring is inserted below); if engine uses pneumatic lock, the outputting time would be 3.5 seconds(JP1 short circuit ring is inserted above). JP1 in the main board is shown as the picture.



15. Door Opening Flashing (optional)

If door opening function is ON, owner opens the door and is not driving the car, the flash lights would gleam for 30 seconds; If open the door while driving, the flash lights would gleam all the time until doors are closed well. If this function is off, the flash lights would not gleam. Setting steps: turn the car key to ON, press the button “X” for 2 seconds, the siren chirps once, the flash lights gleam several times, door opening flashing function is ON. Then press the button “X” for 2 seconds, the siren would chirp twice, the flash lights would gleam several times, door opening flashing function is OFF. Factory default setting is ON.

16. Central Lock Automation

When this function is ON, 12 seconds after the footbrake pad is pressed, it will lock automatically. If cancel this function, it would not lock automatically. Setting steps: turn the key to ON, press the button “ ” for 2 seconds, the siren would chirp once, the flash lights would gleam once, time control function is

ON; Press the button “ ” for 2 seconds again, the siren would chirp twice, the flash lights would gleam twice, time control function is OFF. Factory default setting is ON.

17. Code Learning

This system can learn code with PKE remote control and other normal remote control produced by our factory, when using PKE remote control, PKE functions can be used; when using normal remotes, the system will be without PKE functions.

Learning code steps: press the footbrake pad, turn the car key from OFF to ON repeatedly for 8 times within 10 seconds, then stop to ON position, the flash lights would be on for a long time and entering into code learning mode, then press any button on the transmitter, the siren would chirp once, the flash lights would be off, code learning finished, then press any button on the other transmitter, code learning again, this way can finish max.4 remote transmitters. When entering into new code learning, clear all the codes learned, therefore old and new remotes have to learn the code at the same time.

PKE functions:

This system has been automated and intelligentized with advanced sensing function, it can sense if remote control on the owner is within the valid area or not, and act accordingly.

Note: this function is valid only when using PKE remote and PKE function is on. Functions as follows:

1. Lock or unlock automatically by sensing:

In arm, when owner is within the sensing area, the system will unlock automatically and disarm the car(if the system was set mute arming, the siren would not chirp), then owner can drive the car normally; as long as doors are closed well, and owner is outside the sensing area, the system would be in arm and doors would be locked; in case owner forgets to close the doors and stay outside the sensing area, it will set arm at once, and chirps 3 times continuously, indicates to the owner that doors are not closed well. Please refer to above “Door unclosed well warning”

2. Identification function:

when owner turn the key to ON position, the brain unit will send signals to the remote control to identify within 5 seconds, when finished identification, if signal can not be received, the engine will be cut off; If signal can be received, the car can be driven normally, it will stop detecting the remote control temporarily. For safety, 1.5 minutes after engine being started, the system will automatically enter into "auto anti-Hijacking"(refer to "auto anti-Hijacking function below),and detect the remote control once again, then into "normally driving" mode (no detecting at this time). If the system was interfered by the environment that system can not detect the remote control, engine will be cut off falsely, then owner need to insert car key again to start for identification verification again.

3. Auto Anti-Hijacking function:

When car driving normally and doors are detected opening, LED will be on for a long time, indicates system goes into auto anti-Hijacking mode, after 1.5 minutes, it will identify for 30 seconds. Within 30 seconds, if remote control can be identified for once, the car can be driven normally, and will not identify remote control again while driving normally. If remote control can not be identified after 30 seconds, the system would warn with flash light gleams, and the engine will be cut off after 30 seconds. After enter warning status, the system will detect the remote control at all time, it will stop alarming till disarming signal is received from owner's remote, then car can be driven normally. Therefore owner has to bring the remote all the time, avoiding remote is held by thief. While auto anti-Hijacking function is on, if siren has not give warning, the system will exit the function once senses the signal from remote; if siren has given warning, the function of power off memory will work, which means power off then on the system will still give warning and cut off the engine. At this time system must receive disarming signals from remote, then can exit the function, and will not give any warning. Anti-Hijacking can be operated manually, when press "🔑", the system will go into auto anti-Hijacking mode, please refer to "Manual Anti-Hijacking"

During auto and manual anti-Hijacking, if disarmed by non-PKE remote, the system will exit anti-Hijacking; if PKE is used with its function on, press disarm button or arm button, the system will sense the remote at once. if sense signal is normal, that system will exit auto or manual anti-Hijacking mode, it will give warning if the sense signal can not be received within 30 seconds. Please pay additional attention to that: manual anti-Hijacking mode gives warning faster and cut off engine sooner (refer to Manual Anti-Hijacking function), please make sure you are safe and within the valid area that remote can be functioned, or you can take the remote with you and go to safety zone, do not press any buttons, let the system enter auto anti-Hijacking mode. When using normal remote or turn off PKE function, auto anti-Hijacking mode will be cancelled, at this case, you only can use manual anti-Hijacking.

4. Remote Sensing Function Auto Switch:

When owner use another PKE remote control, this remote's sensing function will perform automatically. The sensing function of the previous remotes will stop at once. When use the original PKE remote again, sensing function will switch back.. this function make sure the PKE being used is sense-functioned, normal remotes and any other PKE remotes which not used currently is invalid.

5. Manual Switch ON/OFF PKE function:

The owner can switch on/off PKE function by remote, after switch off PKE function, the system only remain basic alarm function. You can operate as follows: turn car key to ON, press the buttons "🔒" and "🔑" synchronously for 1 second, the siren would chirp 4 times, the flash lights gleam 4 times, then the PKE function switch off. To switch on PKE function, please press the buttons "🔒" and "🔑" synchronously for 1 second, the siren would chirp 3 times, the flash lights gleam 3 times.

Note:If the brain unit can not detect remote within a week, the system will switch off PKE automatically till the brain unit detected remote again, PKE function will switch on automatically. Factory default setting is PKE function ON.

6. Note:

(1) PKE function will improve greatly the security and convenience of car. But when PKE function is on and using remote with PKE function, owner must always bring the remote at anytime, otherwise owner can not start the car. If the car must be started, please switch off PKE function or use normal remote.

(2) For safety, this product is designed that only when owner's PKE remote is around the car, the system can exit the anti-Hijacking function. Therefore the system must sense the remote nearby, then can exit the function. In remote place(or near), when you press disarm button and it still can not exit this function, after pressing disarm button, the system still need remote which have to be sensed, then the system be able to exit anti-hijacking function.

(3) PKE remote control has weak power battery detection function, when battery is in weak power, the brain unit's every unlock action, the siren would chirp for 3 seconds, and the flash lights will be on for 3 seconds, and it will automatically switch off PKE function, it will automatically switch on PKE function when detecting battery is full power again. If battery is of low power, please replace a new one in time (this is button-style 3V lithium battery, model: CR2032). Note: normal remote have no weak power detection function.

Technical data:

Brain unit voltage: 9V~18V

Brain unit average static current: $\leq 30\text{mA}$

Brain unit sending frequency: 125KHz

Brain unit receiving frequency: 433.92MHz

PKE remote battery voltage: 3V

PKE remote static current : $\leq 9\mu\text{A}$

PKE remote sending current : $\leq 5\text{mA}$

Remote sending frequency: 433.92MHz

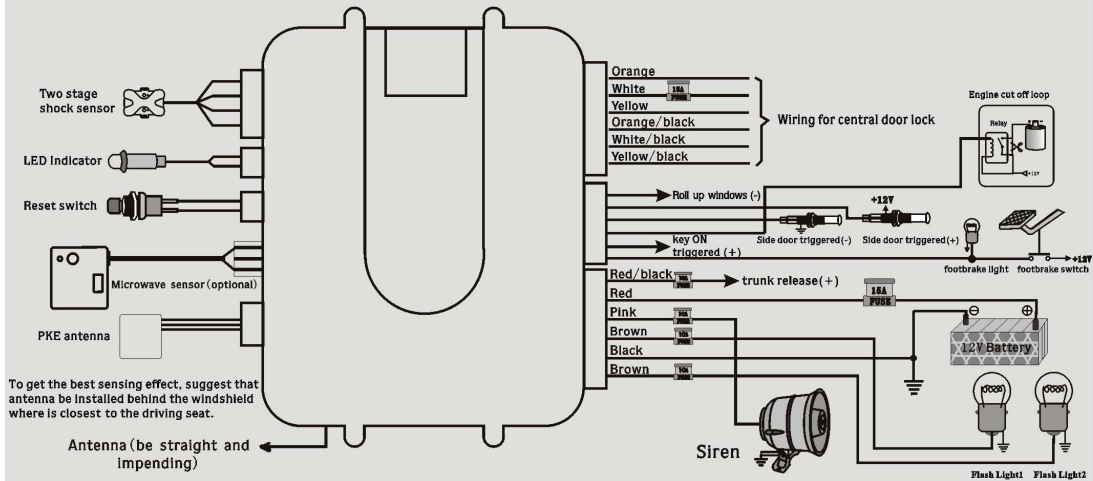
PKE remote receiving frequency: 125KHz

PKE remote control distance : $\geq 80\text{meters}$

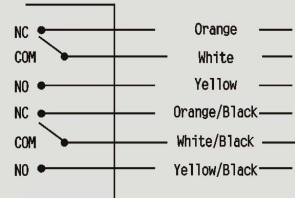
PKE remote sensing distance: $\geq 3\text{meters}$

PKE remote battery's normal life time: $\geq 10\text{months}$

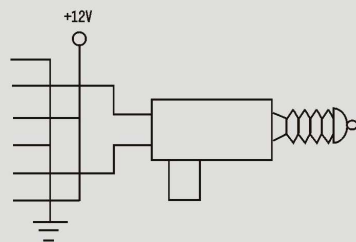
Wiring diagram



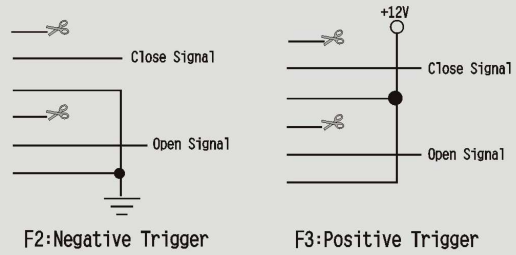
Central Lock Wiring Diagram



F1:Car Alarm Out-Port

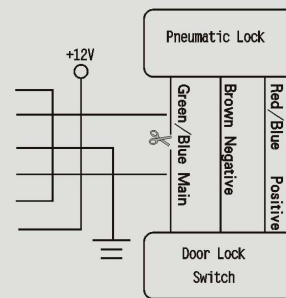


F4:Positive/Negative Trigger



F2:Negative Trigger

F3:Positive Trigger



F5:Pneumatic Lock

PKE Trouble Shootings

Within PKE's sensing area, after disarmed, the car will set in arm and lock the doors immediately.

1. Check if PKE antenna is connected well.
2. Check if antenna is installed behind the windshield which is closest to the driving seat . Because this place is closest to the door, it can get best signals

After being disarmed, 10 seconds after stay out of the sensing area, the doors are still unlocked.

1. Check if PKE function is off.
2. Check if the owner is using non-PKE remote
3. Check if battery is out of power and PKE is off automatically.

After setting in arm and doors closed, when close to sensing area, the system did not disarm and unlock.

1. Check if the remote battery is out of power.
2. Check PKE antenna is connected well.
3. Check if antenna is installed behind the windshield which is closest to the driving seat . Because this place is closest to the door, it can get best signals.
4. Check if PKE function is off.

When using PKE remote and its function is on, the engine will be cut while driving and can not be started.

1. Check if a valid PKE remote be brought while driving, and make sure if this PKE remote has sensing function.
2. If PKE remote might be defective, please turn off PKE function referring to the manual.
3. Check if doors are closed well, and if door switches are damaged.
4. Check if "key ON triggered (+)" wire is connected to ON instead to ACC.

Warrantee card

Warrantee Card

The quality of this product was strictly controlled before out of factory, which ensures its advanced performance under normal utilization. To protect consumer's right and keep our company's reputation, we guarantee that if any failure happened due to production and bad quality of component which is excluding any human damage, it will be repaired free of charge within one year from the date when you buy this product.

Vehicle No.:

Product No.:

Production date:

Purchased date:

Remarks:

Confirmed and sealed by dealer

