GSM/GPS

SMS/GPRS Car Tracking Alarm

CAT-6

USER MANUAL

Ver: 1.22

CONTENTS

Ver: CAT6:HW-V1.3 SW-V1.22 EN

INTRODUCTION

Functions and Features

Application: to protect all type of cars, trucks, taxi, jeeps as well as other automobiles.

Locating and tracking

◆ Dual location:
    locate your vehicle through both GPS positioning and GSM base station
◆ Query locating information by SMS/telephone.
◆ Real-time or pre-set time tracking by SMS/GPRS;
◆ Global Track Web-based center and stand-alone monitoring software with Google-earth or Google-Map support.

Anti-theft functions:

◆ Door open/ Acc on/car vibration/car moving /power down Alert
◆ Alert report to the preset phone by auto-dial and SMS.
◆ Remote stop engine by phone/SMS

Anti-robbery functions

◆ Emergency Alert(SOS) button built-in
◆ Remote monitoring the sound in the car

Simple operation

◆ Configured by SMS and USB software.
◆ Voice system(Local language support) and SMS remote-operation, status query.
◆ Remote start engine by phone/SMS
◆ Remote start air-condition by phone/SMS
◆ Remote arm(lock)/unarm(unlock)
    Locking door and closing windows automatically when Arming / Unlock when disarming
◆ Choose between unlock or dis-unlock door when ACC switches off.

Other useful functions

◆ With backup battery: after Power off Alert, it will supply power for device.
◆ Auto-arming function: choose on/off.
◆ Shock sensor sensitivity adjustment available
◆ Lights flash and sound reminder

Technical Specification

> GSM Work Frequency：850(Optional) /900 /1800 /1900MHz
> GPS(SiRFstarIII chipset) : Frequency：L1, 1575.42 MHz.
                              Minimum signal tracked: -159dBm
> Temperature: Working Temp -20℃ ~ +60℃
> Humidity: 20—95%
> GSM Antenna   Cable type: Gain:3dBi   cable-length:3-5meters   connector :SMA
                 Portable antenna: Gain:2dBi   height: 5cm   connector: SMA
> GPS Antenna: Voltage:3V   cable-length: 3-5 meters   connector: SMA

> Remote control: Working frequency: 315Hz/433MHz.

Code: 1527/2240 study

Working Voltage: 12V   (27A 12V dry battery)

Control Distance: 20-100M

> Mainframe Power supply: 12 or 24V DC (different model)

> Backup battery: Poly-Li battery,   600mAh   3.7V

> Mainframe Dimension: 125x108x26mm

Safety Instructions

> Please do not use the device in the areas where wireless device uses are prohibited.

> Please use the accessories in the package, such as the antennas and relay.
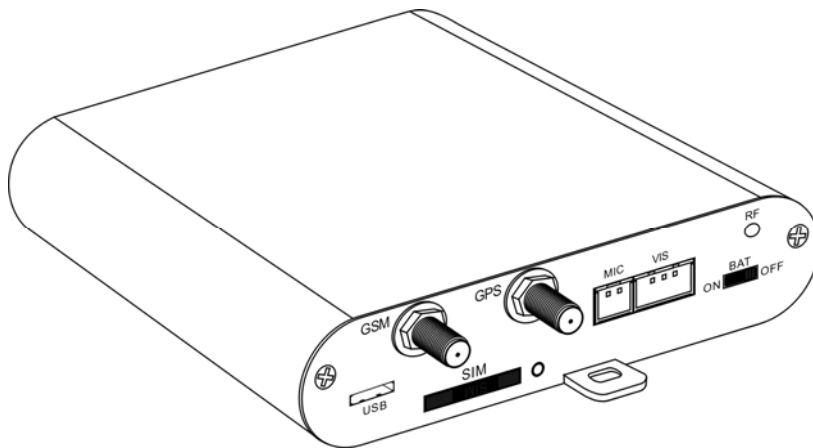
> Please install the system by professional.

INSTALLATION

Accessories

User necessaries

1. 1-3 mobile phones   (Note: with SMS functions.)
2. A valid GSM SIM card for the devices (with Caller ID & SMS functions and enough balance)

1.   Main Unit

SIM: SIM Card Slot   **GSM**: GSM Antenna   **GPS**: GPS Antenna   **RF**: RF-Antenna   **MIC**: Monitor
VIS: Vibration Sensor VIS: **BAT(ON/OFF)**: Backup Battery Switch   **USB:** Testing and setting-up port
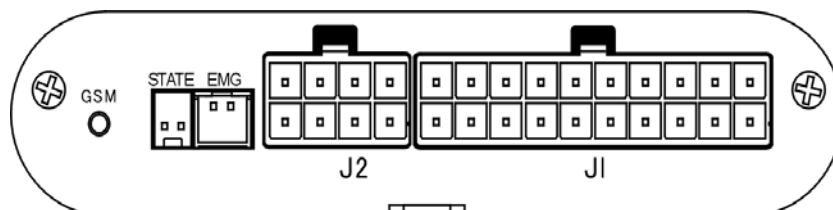
GSM: GSM State   **STATE:** LED Light   **EMG**: SOS Button   **J2:** 8Pin data wire socket   **J1:** 20Pin Connection wire socket

2. Remote control : Maximum 3pcs

'🔒' Armed/lock door/ close window, when arming the fore-lights flash and siren rings once.

'🔓' Unarm/ unlock; cancel alert, stop the siren ringing.

  when disarming the fore-lights flash and siren rings twice;

  if arming by 🔇 silent arming key, the siren will not ring.

🔇 Silent arm key. Press it, the device switches into armed mode without siren ringing.

  On silent arm mode, if the alert is tirgged, the siren will not ring.

'🔍' Search for the car: activate car lights and siren to search for car. the siren will ring for 3 beeps.

3. GSM antenna	**4. GPS antenna**	**5. Vibration sensor** (adjustable sensitivity)

6. Microphone (Monitor)	**7. Siren**	**8. 20 PIN connection wire**

9. LED indicator	**10. Stop Relay(314-B-12-s)**	**11. SOS button**

12.   Remote-start wires(3relays+ 8pin)

Installation Process

1. Central lock to 20 PIN connection wire

1.1 Choose different installation according to different car central locks

Fig1: Basic
Fig2: Negative Trigger
Fig3: Positive Trigger
Fig4: Negative & Positive Trigger
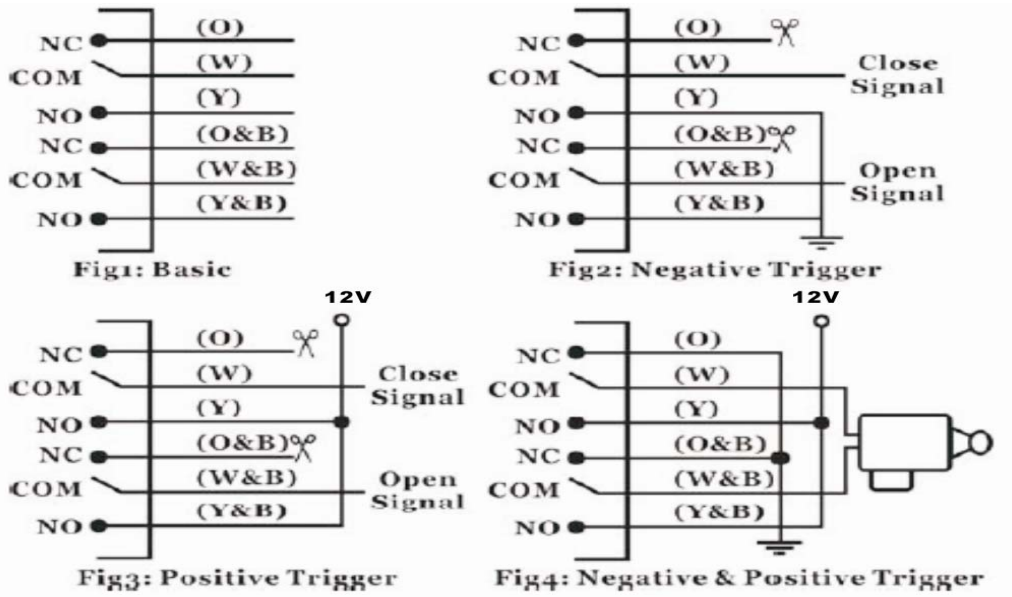
1.2 Wires Connection
(1) 20+8 PIN

Jumper for Electric/Air Lock
-Connection for Electronic Lock
-Cut off for Air Lock

Cenrtal Lock Connection

Front Lamps

Window   (HAND)Brake
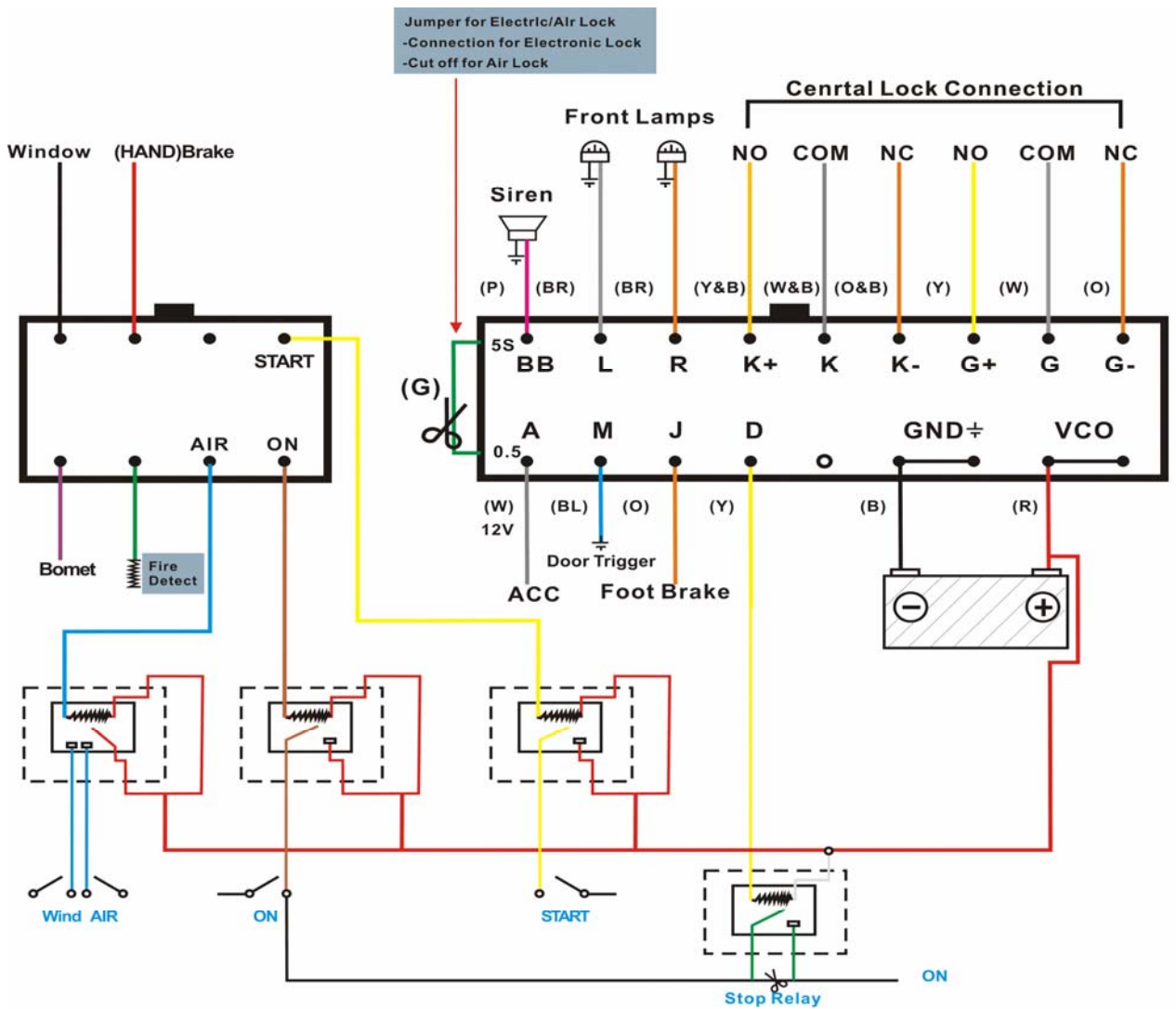
Siren

(B): Black   (BL): Blue   (BR): Brown   (O): Orange
(P): Pink   (R): Red   (W): White   (Y): Yellow

① G +/- ,K +/- ----Central lock:（Max: 6PIN）

② R,L（1PIN each）---Left/Right front lamps wires

③ BB ---Siren

④ VCO and GND --- Power supply

⑤ Green wire---- (spare)

⑥ D---The yellow wire of stop Relay(314-B-12-S)

      Connect the white wire to 12V power supply.

      Two green wires: Cut-off Start wire and fuel wire and connect them in.

          Note: Three connection mode :(after sending "stop")

             1. Into start line: after turning off engine, can't start again.

             2. Into ON line: engine turning off right-away

             3. Into OIL line: engine turning off after 1-3mins.

⑦ J---Foot brake wire

⑧ M---Door trigger wire

⑨ A---ACC

(2) Start-Relays wires connection(for remote-start engine and air-condition only)

① Relay 1(314-A-12-S) Brown wire-------ON line of the switch

② Relay 2 (314-A-12-S) Yellow wire-------Start line of the switch

③ Relay 3 (314-U-12-S) Blue wires-------one to air-condition switch; one to wind switch.

④ Red wire-------VCC (Battery)

(3) 8PIN (J2) Contrlling wires:

① Black wire----------connect to: window up trigger

② Purple wire---------connect to: bonnet open trigger

③ Red wire------------connect to: Handbrake detecting

④ Green wire --------connect to: ignition coil detect: from one of motor-start lines.

    Note: Ignaition coil detect: >>one of the ignition cables will be circled around 18-22 laps with a electrical wire;

                       >> fixed the wire well, and then connect the wire to the Green wire.

⑤ Blue wire-------- --Air-condition contril line

⑥ Yellow wire------- Engine start line

⑦ Brown wire--------ON switch line

⑧ White wire-------- spare

2. SIM Card Installation
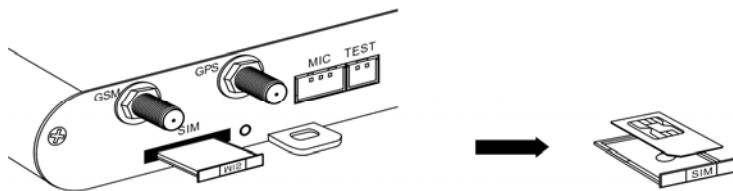
3. GSM----GSM Antenna Installation

4. GPS---- GPS Antenna Installation

5. MIC----- Microphone installation

6. EMG---- Connect SOS button wire

7. VIS------ Connect Vibrator sensor

8. STATE---Connect the LED wire

9. Plug the 20PIN into J1, the "WORK" light starts flashing.

10. Slide the battery switch to be "ON".

11. Check all the wires to be connected well, and the light works status. then fix them firmly.

Instructions Before Use

1. After installation and power on, the system shows the following status:

   GSM LED: Flashing slowly indicate the GSM works normally .

   Flashing quickly indicate the GSM register unsuccessfully.

   Statuse LED: Flashing slowly (0.8secs) indicate armed status.

   LED off: indicate unarmed status.

   Flashing qucdkly (0.2secs): when downloading via USB port.

2. Factory default:

Recipient:	Non
User Password(UPWD):	1234
Status:	unarmed
Time Zone:	+/-0000
Shake Alert:	On
Auto-arm:	On
Unlock when ACC switching off :	On
Move Alert:	Move000 Off
Over Speed Alert:	SPD000 Off

3. Battery: Auto-charging when it connects to power

4. GSM/GPS ant: locate the antennas in suitable area to get signal well.

OPERATIONS

SMS OPERATIONS

SMS format: *[User Password]*[Command]#

Note: > User Password is 4 digits or letters in SMS

> The user Password below is abbreviated to: UPWD

> Sending commands by any mobile phone via UPWD

1. Set up

1.1 Set up recipient A, B and C

Send: *UPWD*AXXXXXXXXX*BXXXXXXXXXXX*CXXXXXXXXXXX#

Reply: Armed/Unarmed;A:XXXXXXX B:XXXXXXC:XXXXXXXXX

Modify or Cancel Recipients：re-set with new Recipient numbers.

Note: ① A,B,C indicates the recipients A,B,C.

xxxxx…indicates the recipients mobile phone number. Max: 20 digits.

② "+country code"should be added when SMS format requires
SMS Format: + Country Code + mobile phone number.

③ Recipient number shows blank if you do not set up it.

Exp: Recipient A,C setup：*1234 *A+8613666504824*B*C+8613666502528＃
(+86 refers to China code; 136xxxxxxrefers to Recipients mobile number)

1.2 Set up Time-zone

Send the SMS to the device: *UPWD * GMT+/-xxxx#
Setup OK, the reply SMS: GMT+/-xxxx SETUP OK！

Note: '+' is east zone;   '-' is west zone
Exp: East 8 zone(GMT+08:00),   the SMS is   *1234*GMT+0800#
West 3:30 zone(GMT-3:30),   the SMS is   *1111* GMT-0330#

2. Basic Operations

2.1 Arm the system: locking door and closing windows automatically when arming the system.

A：Armed by remote-controller:

> Press '■' key on the remote control, the siren sounds once.
> Press ' 🔇 ' key, the device turns into armed Mode. Siren turns off.

B: Auto-Armed: On unarmed statuse, if the door closed and ACC is off in 25 seconds, and auto-arm
function on, the device will switch to armed mode automatically.
Auto-arm function can be On/Off by SMS.

Auto-arm on:
Send the SMS: *UPWD* Aon #
SMS replies: Auto-arm on!

Note: 1.On unarmed mode, if someone in the car with the door closed and ACC off, the system will auto-arm.

2. When auto-arm is valid, the vehicle accidental auto-armed at some place of poor GSM signal, you may not open

the door via SMS or phone voice.

Auto-arm off:
Send the SMS: *UPWD* Aoff #
SMS replies: Auto-arm off !

C. Armed by SMS：

Send: *UPWD*S#

Reply: Armed;ACC:on/off;Door:close/open;Power:on/off; LAC:XXXXX;CID:XXXXX;
Time:xx-xx-xx xx:xx:xxSpeed:xxxkm/h;S/N:xxdxxmxxs W/E:xxxdxxmxxs

D. Armed by Voice Operations：（Please refer to the **voice operations**）

Note: >> If door is opened, the system **can be** armed; then "Door open alert" will be triggered.
>> The doors are auto-locked when arming the system.
>> On armed status, the engine can not be started.

2.2 Disarm the Device: unlocking door when disarming

A. Disarmed by remote-controller: Press '■▀' key on the remote control. After disarming the device,
the siren sounds twice.

B. SMS disarmed：

Send: *UPWD*C#

Reply: Unrmed;ACC:on/off;Door:close/open;Power:on/off; LAC:XXXXX;CID:XXXXX;
Time:xx-xx-xx xx:xx:xxSpeed:xxxkm/h;S/N:xxdxxmxxs W/E:xxxdxxmxxs

C. Disarm by Voice Operations(refer to part **Voice operations**)

> **Note**：>On Unarmed Mode, if door is open, the R/L lights flashes periodically.

2.3 Modify Password

A. By SMS：

Send the SMS :　*UPWD* EXXXX#

Successfully, replies :　Password has been changed!

> **Note:**　>> XXXX refers new user password. It is constituted by 4 ASCII codes.
> >> Factory default: 1234.

B. By Voice Operations：(Please refer to: 'Voice Operations')

2.4 Shake Alert ON/OFF

Switch **Off**:

Send the SMS to the device:　*UPWD*N#

Successfully, Reply: Shake alert off!

Switch **On:**

Send the SMS to the device: *UPWD*H#

Successfully, Reply: Shake alert on!

2.5 Unlock On/Off：

In **unlock on** state, when ACC is switched off, the door of the vehicle auto-unlock;

In **unlock off** state, when ACC is switched off, the door of the vehicle doesn't unlock.

Off:

Send the SMS to the device:　*UPWD*UL0#

Set up successfully, it replies:　Auto unlock door off !

On:

Send the SMS to the device:　*UPWD*UL1#

Set up successfully, it replies:　Auto unlock door on !

2.6 Immobilize / Relieve(Re-energize)

2.6.1 STOP the car after sending command

A. Immobilize the car by SMS: valid after 20secs R-L lights flashing and siren-ringing prompt.

Send the SMS in emergency:　*UPWD*STOP#

Set up successfully, it replies:　Engine will be turned off!

> **Note:**　> After sending "stop" command, the R-L lights flash and siren rings for 20secs,　then the car is stopped.
> > To restart your engine, you will have to relieve by SMS or phone voice.

B. Immobilize by phone : (refer to **Voice Operations)**

Stop the car after 20secs siren-light alert.

2.6.2 Delay to stop the car by SMS

sending SMS: *UPWD*STOPD#

successfully, it replies: Engine will be turned off!

Note: >> When the command is sent, the car will not stop immediately; it will stop after engine off, and engine can not be restarted again.

>> To restart your engine, you will have to send Re-energize command to relive the device.

2.6.3 Re-energize By SMS:

A. Send the SMS to the device: *UPWD*K#

Set up successfully, it replies: Relieve 'STOP' & Unarmed!

B. **Re-energize (Relieve) By phone:** (refer to **Voice Operations**)

2.7 Move Alert on/off

Move Alert：On armed Mode, if the car moves over a certain range, the device will send a 'Move alert' SMS to the recipients.

On:

Send the SMS to the device: *UPWD *MOVExxx#

SMS reply: MOVExxx Alert On !

Note: xxx : 300～999.(unit: meter)   It indicates that the alert range is a circle, the center of which is the parking position and the radius of the range is xxx meter.

Off:

Send the SMS to the device: *UPWD *MOVE000#

Set up successfully, SMS reply: MOVE Alert Off !

2.8 Over Speed Alert On/Off

Over speed Alert: when this function is on, if the car drives over the pre-setting limit speed, alert SMS will be sent to recipient A.

On:

Send the SMS to the device: *UPWD *SPDxxx,ss#

Set up successfully, SMS reply: Over SPDxxx,ss alert on!

Note: >> xxx: 020～999 (unit: Km/H),   Min speed is 20Km/H;   Max speed is 999 Km/H.

If xxx is less than 020, "Over speed Alert" will not be triggered.

>> ss: 01~99 (unit: min) ,   indicates the interval of speed detecting.

Off:

Send the SMS to the device: *UPWD *SPD000#

Set up successfully, SMS reply: Over SPD alert off !

2.9 Remote-Start/Turn off Engine: (for Recipient A only)

A. By SMS：

On: Send: *UPWD*engine start xx#

Reply: Armed/Unarmed; the engine will shut down after xx minutes

Note: >>XX is the time of engine on. The value : 10,20,30mins

>> During engine on, the driver start the engine by key, the time invalid.

>> when engine on the **shake alert** is switched off

Off: Send: *UPWD*engine off#

Reply: Armed/Unarmed; the engine shut down!

Note: >> When engine off, if the car with unlock function when ACC off, the door is unlocked.

>> When engine off, the air-condition will be off.

B. By phone :(Please refer to '**Voice Operations**) phone voice reply to A

Start successfully: the engine has been turned on!

Remote-start fail: engine start fail

Turn off engine successfully: the engine has been turned off .

2.10 Remote-Start / Turn off air-condition and wind (for Recipient A only)

A. By SMS：

On: Send: *UPWD*air start xx#

Reply: Armed/Unarmed; the air-condition will shut down after XX minutes

Note: **>> when air-conditon on the shake alert is switched off**

Off: Send: *UPWD*air off#

Reply: Armed/Unarmed; the air condition shut down!

B. By phone :(Please refer to '**Voice Operations')** phone voice reply to A:

Start successfully: the air-condition has been turned on.

Remote-start fail: engine start fail

Turn off air-conditin successfully: the air-condition has been turned off.

***Note:* By operation of 'turn off air-conditin', the engine will not be turn off.**

2.11 Resume to Factory Default : (refer to factory default)

A. By SMS：

Send: *UPWD*V#

Reply: Factory Default Restored!

B. By phone :(Please refer to '**Voice Operations'**)

2.12 Search for car

A. Press ▽key on the remote controller. the siren will ring over 5 seconds.

B. By SMS：Send the SMS to the device: *UPWD*T#

Note: After sending the command, the device will not reply SMS to you, the siren will ring and your car lights will flash for seconds.

2.13 Wrong Message

◆ the password is wrong, the device will send the prompt SMS:
Key incorrect, please confirm!

◆ In case the password is right but command format invalid, you will receive the prompt SMS:

Invalid command, please confirm!

3. Query

3.1 Recipients Query

SMS: *UPWD*Y#

Reply: Armed/Unarmed;A:XXXXXXXB:XXXXXXC:XXXXXXXXX

3.2   Status Query

A. By SMS：

■ GPS is available, reply SMS

SMS: *UPWD*X#

Reply: Armed/UnArmed;ACC:on/off;Door:close/open;Power:on/off; LAC:XXXXX;CID:XXXXX;
Time:xx-xx-xx xx:xx:xxSpeed:xxxkm/h;S/N:xxdxxmxxs W/E:xxxdxxmxxs

■ GPS fails to position, reply:

Armed/UnArmed;ACC:on/off;Door:close/open;Power:on/off; LAC:XXXXX;CID:XXXXX;
NO GPS

B. Query by voice operations:(Please refer to '**Voice Operations**')

The voice information: Power on/off; Alarm/Unarmed; ACC On/Off ; Door open/close; GPS state.

3.3 GPS Data Query

A. GPS Data Query：（Format：Degree/ Minute/Second）

Send the SMS: *UPWD*GPSM#
SMS reply: Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:xxdxxmxxs W/E:xxxdxxmxxs

B. GPS Data Query: (Format: Degree)

Send the SMS: *UPWD*GPSD#
SMS reply: Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:+/-xx.xxxx W/E:+/-xxx.xxxx

C. GPS Data Query：（GPS Standard Format）

Send the SMS: *UPWD*GPS#
SMS reply: $GPRMCxxxxxxxx

D. GPS Data with Google link Query

Send the SMS: *UPWD*GPSW#

SMS reply: http://maps.google.com/maps? f=q&hl=en&q=(-)xx.xxxxxx,(-)xxx.xxxxxx
&ie=UTF8&z=16&iwloc=addr&om=1

E. GPS fails to locate, replies query by the last valid GPS data.

SMS reply: NO GPS! Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:+/-xx.xxxx W/E:+/-xxx.xxxx

4. Other Functions

4.1 Restart the device:

Press and hold ◼⌐ key on the remote control for 20 seconds to restart the system.

4.2 Lock/unlock door

>> ACC off: arm to lock the door / disarm to unlock

>> ACC on: apply the footbrake to lock the door(s)

Press the arm ◼ key to lock the door(s)

Press the disarm ◼⌐ key to unlock the door(s)
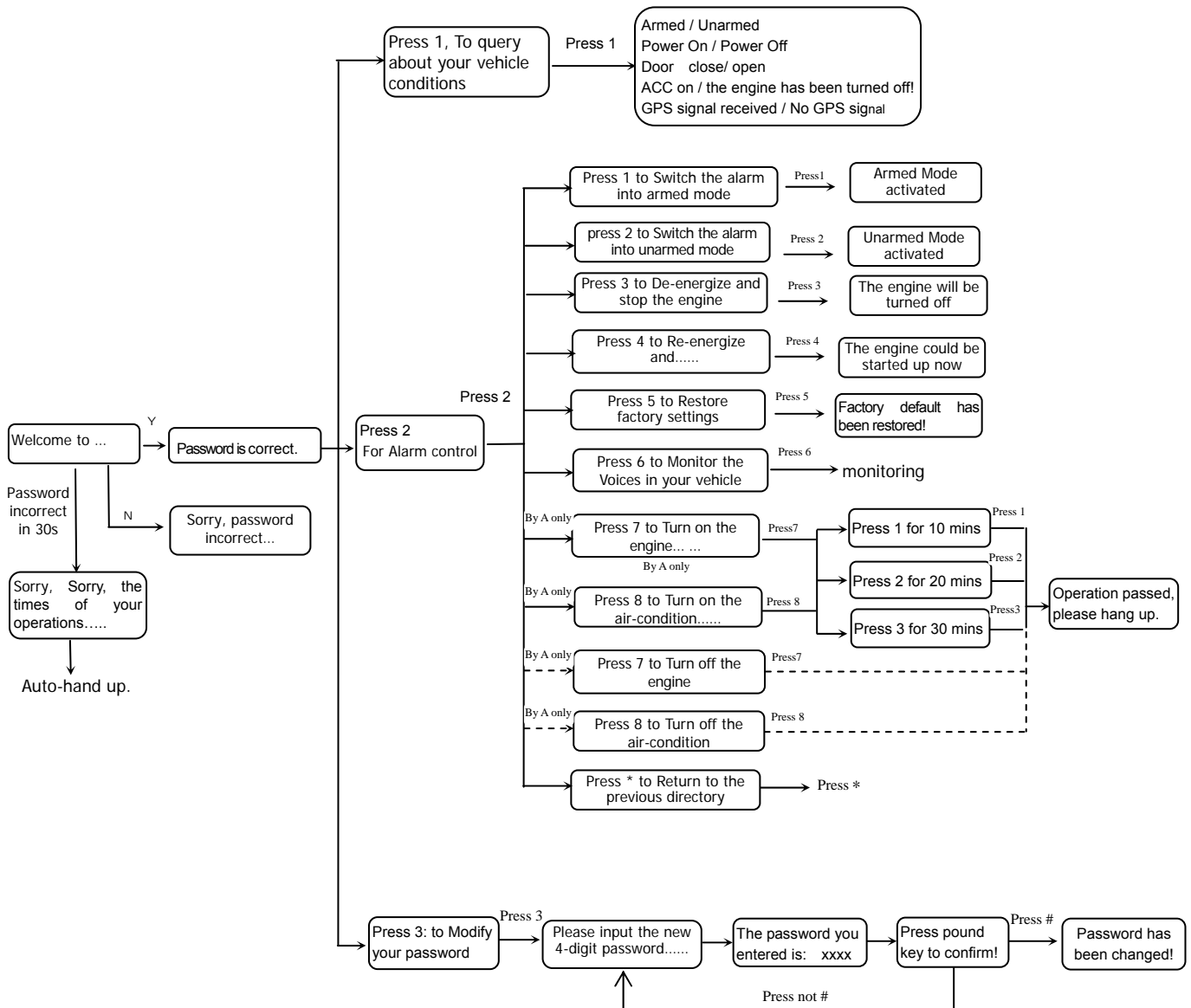
>> When ACC switching off: can choose Auto-unlock or not.

4.3 On armed state, the engine **can not be** started.

4.4 When the car door is opened, the R/L lights will flash 30 secs to prompt.

VOICE OPERATIONS

Dial to the device, after 4 rings, you can operate according to the voice prompt.

(**Note:** The PASSWORD is the same as UPWD)

ALERT MANAGEMENT

1. Alert type

Armed mode: Shake Alert

Door –open Aert

Bonnet open Alert

ACC-On Alert

Power-Off Alert

Move alert

When driving: over-speed alert.

Armed/Unarmed mode: Highjack Alert (SOS)

2. Alert Report Mode

Spot response: The GSM LED starts flashing rapidly to indicate alerts.

The car light will be glint and the siren will ring.

SMS report: Recipients will receive alert SMS.

Voice report: The device will auto-call the recipient A to report alert.

Monitoring: recipients hold on the alert call, then press "#" key of the recipient mobil-phone to monitor the state in the car.

3. Alert Report

3.1 Shake Alert:

On Armed Mode, if the car vibrates, there will active Shake Alert. Recipient **A** will receive SMS, car lights will be glint and the siren will ring to scare at each vibration.

Spot :   Armed Mode: voice for 2secs and light flash 3 times

Mute Armed: light caution

SMS to **A**: Shake Alert !

Note：> Continuous vibrates send alert 30s each time.

> The sensitivity of the vibration sensor could be adjusted.

3.2 Door-open Alert:

On Armed Mode, if the door is opened, the Alert will be activated.

Spot :   Siren and light caution 5~6secs.

SMS to A,B,C : Door-open Alert !

Phone to A: Door-open Alert !

3.3 Bonnet open Alert

On Armed Mode, if the bonnet is opened, the Alert will be activated.

Spot :   Siren and light caution 5~6secs.

SMS to A,B,C : Bonnet open Alert!

Phone to A: Bonnet open Alert!

3.4 ACC On Alert:

On Armed Mode, if the ACC is turned on, the Alert will be activated.

Spot : Siren and light caution 5~6secs.

SMS to A,B,C : ACC on Alert !

Phone to A: ACC on Alert !

3.5 Power-off Alert:

SMS to A,B,C : Power-off Alert !

Phone to A: Power-Off Alert !

3.6 Hijack Alert (SOS)

In emergency situation, by pressing the hidden SOS button easily, the SOS alert is sent directly to the recipients.

SMS to A, B, C: Highjack Alert!

Phone to B,C: Highjack Alert!

3.7 Move Alert:

On Armed Mode, when someone moves the vehicle away from parking position and exceeds setting range:

SMS to A,B,C: Move Alert!

Phone to A: Move Alert!

3.8 Over speed Alert:

In the process of driving，if the speed is over the pre-setting limit. Over-speed alert will be triggered

Alert SMS to Recipient A: Over speed Alert;

4. Alert Management

4.1 Interrupt Alert: Press ▄▅ key on the remote controller to cancel alert or remove the trigger.

4.2 Monitor Alarm: In Alert status, after the device sends alert SMS to recipients, it will call automatically to recipients, hold on and press "# " to monitor the voice in car.

4.3 Immobilize car remotely: When the burglar drives your vehicle away, stop the vehicle by SMS or phone.

APPENDIX

1. PROBLEMS AND SOLUTIONS

PROBLEMS	Cause	SOLUTIONS
Remotes are locked or don't work	the 27A battery and code	> Replace with new battery > Re-code the remote·
Password lost		>Get from the Carrier
SIM card can not be accessed to network:	> No balance in SIM card. > Install unsuccessfully >Confirm GSM network frequency .	>Install SIMcard well > Keep balance
Weak GSM signal		> Increase sensitivity of antennas >Check the GSM antenna connection. > Put it at suitable position
No GPS signal	> location and weather	>Check your antenna connection. > Put it at suitable position
No SMS received	> Network is busy (especially when GPRS is orking). > SMS is delayed	
Alert is not reported	>Confirm the power supply(12/24V) of the vehicle >Temperature is too low	>The device and power must be matching > Work Temp over -20℃

2. Main SMS Operation Command

Function	Command	Reply
Recipient A.B.C	*PWD*Axxxxxxxxxx*Bxxxxxxxxx*Cxxxxxxxx#	Armed(UnArmed);A:xxxxxxxxB:xxxxxxxxxC:xxxxxxxx
Time Zone	*UPWD * GMT+/-xxxx#	GMT+/-xxxx SETUP OK !
New PWD	*UPWD*Exxxx#	Password has been changed!
Armed	*UPWD*S#	Armed;Engine:on/off;Door:close/open;
Unarmed	*UPWD*C#	Unarmed;Engine:on/off;Door: close/open;
Shake alert on/off	ON: *UPWD*H# OFF: *UPWD*N#	Shake alert on! / Shake alert off !
Unlock On / Off	ON: *UPWD*UL1# OFF: *UPWD*UL0#	Auto unlock door on ! / Auto unlock door off !
Auto-arm On / Off	*UPWD*AON# / *UPWD*AOFF#	Auto-arm on ! / Auto-arm off !
STOP	*UPWD *stop#	Engine will be turned off !
Relieve STOP	*UPWD *k#	Relieve 'STOP' & Unarmed!
Remote-engine on	*UPWD*engine start xx#	the engine will shut down after xx minutes
Remote-engine off	*UPWD*engine off#	the engine shut down!
Remote-air on	*UPWD*air start xx#	the air-condition will shut down after XX minutes
Remote-air off	*UPWD*air off#	the air-condition shut down!
Factory Setup	*UPWD*V#	Factory Default Restored!
Recipients Query	*UPWD*Y#	Armed(UnArmed);A:xxxxxxB:xxxxxxC:xxxxx
Car status Query	*UPWD*X#	Cut-off /Armed/UnArmed;Engine:on/off;Door:close/open;
GPS data Query	*UPWD*GPS#	LAC:xxxxx;CID:xxxxx; $GPRMCxxxxxxxx
	*UPWD*GPSD#	Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:xx.xxxx W/E:xxx.xxxx /NO GPS
	*UPWD*GPSM#	Time:xx-xx-xx xx:xx:xx Speed:xxxkm/h S/N:xxdxxmxxs W/E:xxxdxxmxxs/ NO GPS
	*UPWD*GPSW#	http://maps.google.com/maps?f=q&hl=en&q=(-)xx.xxxxxx,(-)xxx.xxxxxx&ie=UTF8&z=16&iwloc=addr&om=1
Shake alert		SMS to A: **Shake Alert!**
Door Open alert		SMS to:A.B.C and Phone call A : **Door open Alert!**
Bonnet open alert		SMS to:A.B.C and Phone call A : **Bonnet open Alert!**
Engine On alert		SMS to:A.B.C and Phone call A : **Engine on Alert!**
Power Off alert		SMS to:A.B.C and Phone call A: **Power Off Alert!**
Highjack Alert		SMS to:A, B.C and Phone call B,C: **Highjack Alert!**
MOVE Alert		SMS to:A, B.C and Phone call A : **MOVE Alert**
Over SPD Alert		SMS to A: **Over speed Alert**

3. Remote Control RF code Setup

Install the device well, pull out 20pin wire from J1 and battery switch off
↓
Press and hold SOS button
↓
Turn on power (plug into J1). A beep will be heard
↓
Press any key of the remote control
↓
A beep will be heard. Then release the SOS button
↓
Turn off power again. (pull out 20pin wire)
↓
Power on (20pin wires plug into J1), the device works again
↓
test the remote controller