Platinum
User Manual

ARGUS

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Version specification

This document was made based on the Platinum products, after this version was fixed. If there is any need to change, such as increased command or modify command etc, must be agreed by scriptures control center. After Revised, the version will need upgrade.

Date	Version	Modification	Basic Version	Hardware Version
2010.07.06	V1.3	First Published	V1.3	V2.1
2011.07.08	V3.1	1. User based commands changed. 2. Added feature of anti jamming (for Platinum) 3. Ublox 6 GPS Module	V3.1	V3.05

1.Preface

This installation guide is used to make related people from distributor, agent or factory to understand the correct wire connection of our Platinum series so that user can save time and avoid problems

2.Packing List
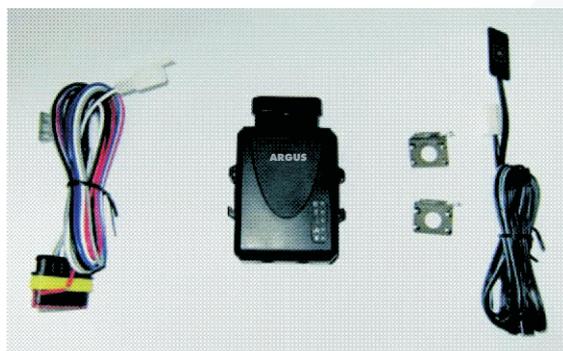
Platinum

1) Control module
2) General Wiring Harness
3) Emergency button
4) Installation Manual

3.Rating and Operating Conditions

Parameter	Min	Max	Units
Supply Voltage (12v)	9	14	V
Supply Voltage (24V)	21	27	
Power consumption	5 (sleep)	180 (transmit)	mA
Operation Temp.	-40	70	°C
Storage Temp.	-40	85	°C
Operating Humidity	50	90	%

4. General Specification

Measurement		11.3 x 6.0 x 2.4 (cm) 220 grams
Cellular Modem	GSM	Siemens MC45 - 900/1800/1900
		Siemens MC46 – 850/1800/1900
		Ublox LEON 100 Quad Band
Cellular Antenna	Internal	78 Internal, 78A External
Network	Data	GSM, GPRS, SMS
Message	SMS	Encrypted Protocol
	GPRS/1x	TCP/IP over PPP
GPS	Receiver & Antenna Satellite Tracking Protocol Positioning accuracy Navigationupdate rate Navigation method Time to First Fix (TTFF)	Internal, uBlox NEO 6Q (GPS, Galilieo & Sbase) engine 50 Parallel channels NMEA (Binary format) Position: 10m CEP (50%) Velocity: 0.2m/s (50%) 1 second (default) All-In-View solution Hot Start: 1 sec' Warm Start: 17 sec' Cold Start: 30 sec'
CPU		Winbond 16Bit
Flash Memory		32 k
Input/output	Platinum	2 inputs/1 Output
Backup Battery	Type	250maH LION
	Backup Time	3 Hours

5. Configuration

Before configuring the device, the power supply must be connected to 12V constant and with SIM card inserted. Open the back cover, place the SIM card.

5.1 Insert SIM card

Open the four screws of the back cover and insert the SIM card in the SIM card jacket in correct position. Be sure that the SIM card jacket is locked after inserting the SIM card.

5.2 Hardware & Software Requirements

• Personal Computer with serial port or laptop with windows 2000, XP, Vista or 7.

• USB to Serial adapter in case the computer doesn't have serial port.

• Serial cable provided by Argus

5.3 Installation and Port Setting

Install the require USB to serial driver according to the adapter you are using. Mostly it is provided with the connector.

5.4 Configuration steps

5.4.1 Connect the device with your computer

Connect device with computer through our configuration cable then run our software.
Click this "configuration software.exe", you will get the below picture.
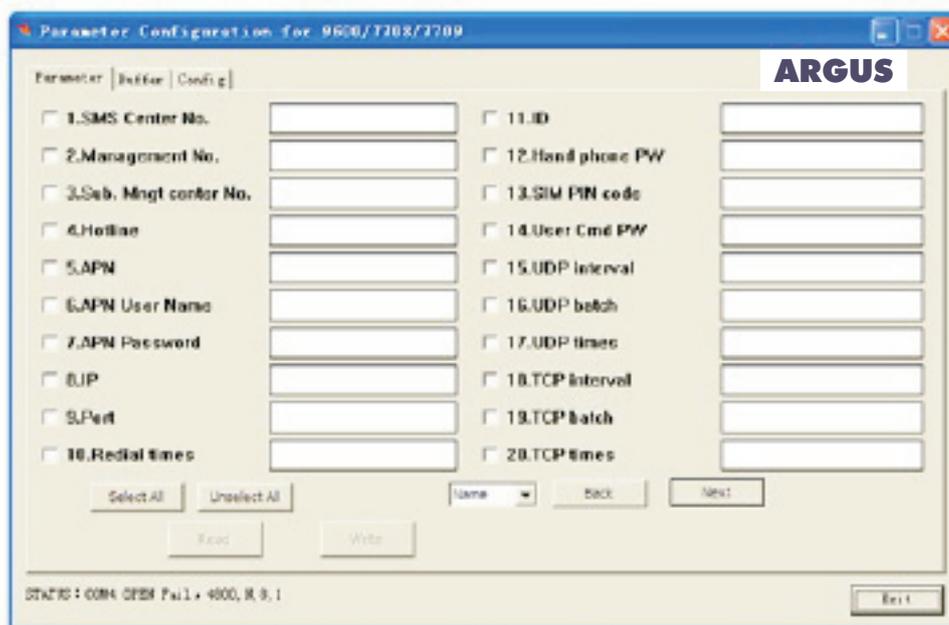
5.4.2 Choose COM port

Go to page 3 and choose the right COM port number. Then press the "set" button.
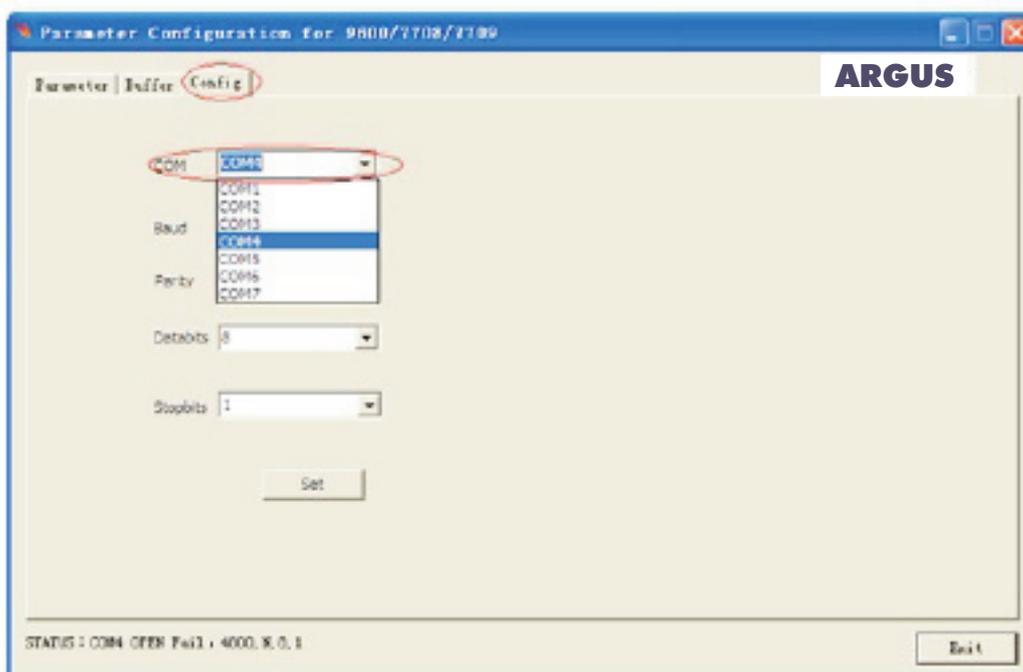
5.4.3. Find right port

From the device manager, we can find the right port number. We get this information like the below picture shows.
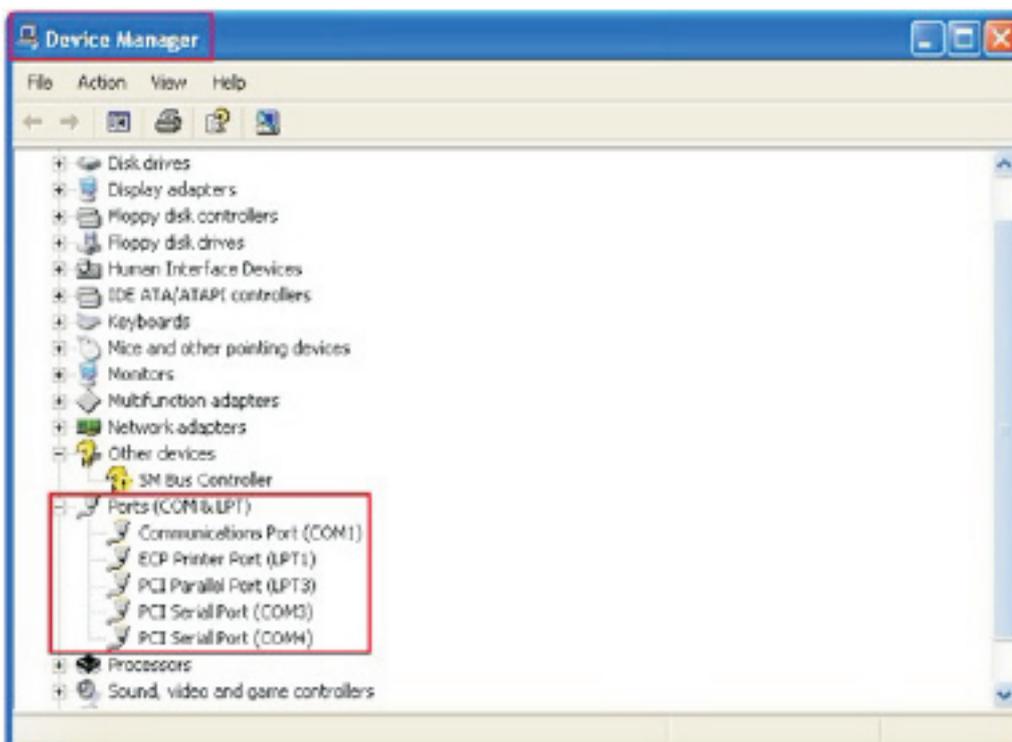
5.4.4. Setting
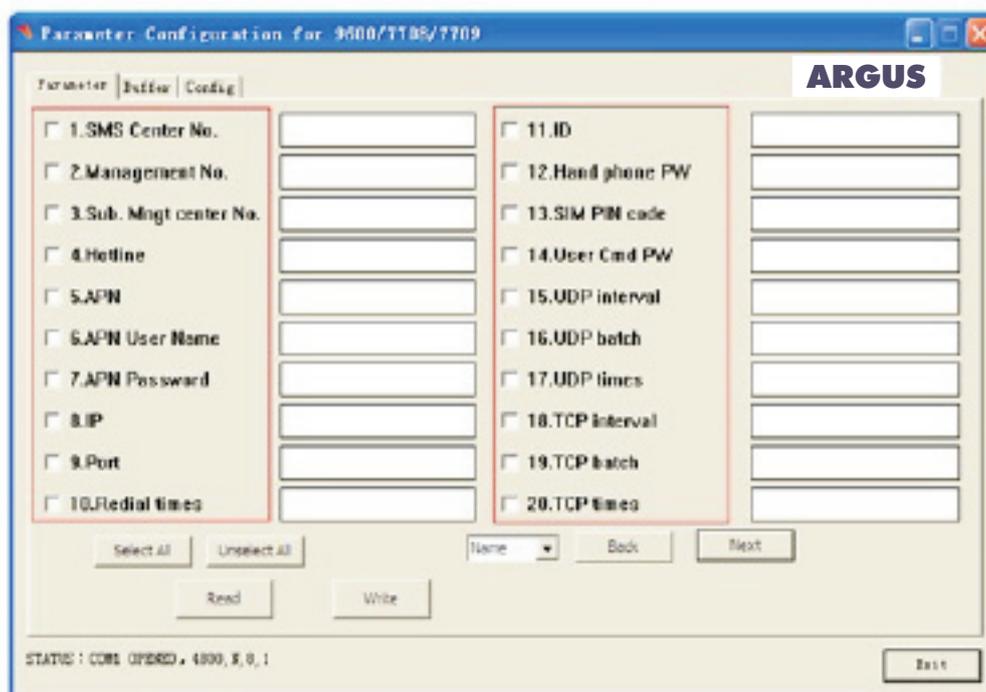
Fill in the APN, IP address, Port, Redial time, SMS center no., Management no. and Sub management no...

If you want to change some of the information, you just need to fill the information which you want to change. Other blank will keep the old information.

When you insert the SMS center no. you need to add the country code. For example. 8613800200500.

Management no. and sub management no. no need to add the country code. Note: some country need to add "0" before the number when people send message or call. For example, a Pakistan phone number "13423562356". When you send message to this mobile you need to input the phone number "013423562356". In this case you need to set a Sub management number which is use for assisting to control the device. The Sub Management Number should be set as "013423562356".

1. Single click program button

1) If it pop-up "com port fail!" means the COM port is used by other software or not exist.

2) If it pop-up "Send data failed!" means program fail.

3) If it pop-up "Send finish!" means programing successful.

Change another device to program. Repeat the 3 and 4 steps to program other device.

	Note:
	· When you are doing the settings, please make sure the device have 12V power.
	· There are three pages parameters you can choose to set. Just press the 'Next' button to choose them and set.
	· When you insert the SMS center no. or the management no., you need to add the country code.
	· To use our trackers on our own software, anytracking. We only need to set the APN, SMS center number and management number.

6. Preparation before installation

a. Get SIM card from user which should be network card with call number display, voice call and GPRS internet functions.

b. Prepare tools and spare assembly. Common tools and spare assembly are as the following:

1) 4-edge screw driver	13) 3M bubble double plaster
2) 2-edge screw driver	14) Multipurpose water
3) No.5 to No. 22 sleeves	15) Towel
4) Nipper	16) Brush
5) Key	17) dustproof set of car chair
6) Cutting pliers	18) 12V electric pen
7) Cutter	19) multimeter
8) Scissor	20) IN5401 diode
9) edge sleeve	21) electric iron
10) Plastic plunge	22) soldering tin
11) 3M damp proof insulation plaster	23) power wire
12) 502 glue	

7. Installation steps and ways

7.1 Check vehicle state before installation

a. Get key from owner to check appearance and all the systems including ignition, sound. If there are some problems, confirm with owner and fill the result in the access network form and after you get signature from owner then start installation.

b. Get confirmation from owner whether owner has special requirement for device installation position, whether original alarm system need to be removed. Record all these information.

c. If the car is a new one and no parts were taken apart before, if possible you should tell owner which parts will be removed in case misunderstanding happens.

d. Get SIM card which should have call number display, voice call and GPRS internet functions from owner for test.

7.2 Installation points to remember

a. Important! Please read this entire installation guide before beginning the installation. The installation of this GPS/GPRS system interfacing with many of the vehicle's system. Many new vehicles use low-voltage or multiplexed systems that can be damaged by low resistance testing devices, such as test lights and logic probes (computer safe test lights). Test all circuits with a high quality digital multi-meter before making connections.

b. Check with the customer on status LED location.

7.3 Disassemble components

a. Disassemble components and check all the components needed on the packing list.

b. Check the structure of motorbike and decide the position to install control module, which are usually put in front head of the motorbike

c. Be sure no parts will get lacerated or dirty when disassembling.

7.4 Measure motor connection

a. Find the proper position for control module, and check the length of input wires and power wires.

b. Make sure input wires will not interfere with original wires. And before you cut connection wire of fuel pump or ignition power wires, be sure it is required.

c. When vehicle is with manual engine off, extra electric wind is needed.

d. To avoid damage of vehicle computer, do not use energy consumption electric pen to test induction wires of vehicle computer.

e. If meter of top-grade motor displays fault indication, please report to supervisor and turn to professional electrician.

8. Deciding on Components Location

8.1 Control Module

Never put the control module in the engine compartment!

The first step in hot-wiring a vehicle is removing the driver's side under-dash panel to access the starter and ignition wires. If the control module is placed just behind the driver's side dash it can easily be disconnected.

8.2 SOS Button

Ensure that the location you pick for the switch has sufficient clearance. The switch should be well hidden and it should be placed so passenger cannot accidentally hit it.

8.3 Finding the wires you need

IMPORTANT! Do not use a 12V test light to find these wires! All testing is described using a digital multimeter.

8.4 Obtaining Constant 12V

We recommend two possible sources of 12V constant: the (+) terminal of the battery, or the constant supply to the ignition switch. Fuse is provided on the red power wire.

> **IMPORTANT:**
> Do not remove the fuse holder on the red wire. It ensures that the control module has its own fuse, of the proper value, regardless of how many accessories are added to the main power feed.

8.5 Finding the 12V switched ignition wire

The ignition wire is powered when the key is in the run or start position. This is because the ignition wire powers the ignition system (spark plugs, coil) as well as the fuel delivery system (fuel pump, fuel injection computer). Accessory wires lose power when the key is in the start position to make more current available to the starter motor.

8.6 How to find (+) 12V ignition with your multimeter:

i.   Set DCV or DC voltage (12V or 20V is fine).
ii. Attach the (-) probe of the meter to chassis ground.
iii. Probe the wire you suspect of being the ignition wire. The steering column harness or ignition switch harness is an excellent place to find this wire.
iv. Turn the ignition key switch to the run position. If your meter reads (+)12V, go to the next step. If it doesn't, probe another wire.
v.   Now turn the key to the start position. The meter display should stay steady, not dropping by more than a few tenths of a volt. If it drops close to or all the way to zero, go back to step 3. If it stays steady at (+)12V, you have found an ignition wire.

8.7 Finding the accessory wire

An accessory wire will show +12V when the key is in accessory and run position. It will not show +12V during the cranking cycle. There will often be more than one accessory wire in the ignition harness. Some motorbikes may have separate wire for the blower motor. In such cases, it will be necessary to add a relay to energize the second accessory wire.

8.8 Finding the door pin switch circuit

The best places to find the door switch wire are:

At the pin switch: When testing at the pin switch, check the wire to ensure that it "sees" all the doors. Often, the passenger switch will cover all the doors even if the drivers switch will not.

At the dome light: This may not be your best choice if the vehicle has delayed dome light supervision, but it will work in many Hondas, or any vehicle with completely diode-isolated pin switches.

Once you have determined the wire color, the easiest place to connect to the wire is often at the kick panel, at the windshield pillar, or in the running board. When an easy location is not available, running a wire to the dome light itself is often the best solution.

8.9 How to find a door pin switch trigger wire with your multimeter:

i.   Set to DCV or DC voltage (12V or 20V is fine).

ii. In most Fords, faster the (-)probe of the meter to chassis ground. If in most other cars, faster the (+) probe of your meter (+)12V constant.

iii. Probe the wire you suspect of being the door trigger wire. If the meter reads

iv. (+)12V when any door is opened, you have found a trigger wire.

NOTE: Make sure the wire you use "sees" all the doors! Some newer GM vehicles lack standard-type pin switches. The dome light in these vehicles is turned on when the door handle is lifted. These usually have a blue/white or white coming out of the door into the kick panel which will provide a (-) trigger for all doors. Some GM vehicles (some Cavaliers, Grand Ams, etc.) Have a yellow wire coming out of the door which provides a (+) door trigger.

9. Making your wire connections

Before making your connections, plan how your wires will be routed through the motor. For instance, the blue ignition input, the red 12V constant input, will often be routed together to the ignition switch harness. In order to keep the wiring neat and make it harder to find, you may wish to wrap these wires together in electrical tape or conceal them in tubing similar to what the manufacturer used.

There are two acceptable ways of making a wire connection: Solder connections and crimp connectors. When properly performed, either type of connection is reliable and trouble-free. Regardless of whether you solder your connections or you use mechanical-type crimp-on connections, ensure that all connections are mechanically sound and that they are insulated.

Cheap electrical tape, especially when poorly applied, is not a reliable insulator. It often falls off in hot weather. Use good quality electrical tape or heat shrink.

Never twisting-and-taping the wires together without soldering.

Never use "fuse taps", as the can damage fuse box terminals.

If you use tapping connectors such as 3M T-tapes (not to be confused with Scotch-Loks), avoid using them in higher-current applications (constant 12V, ground, etc.). Some tapping connectors are inferior in quality and should be avoided.

10. Control Module Platinum
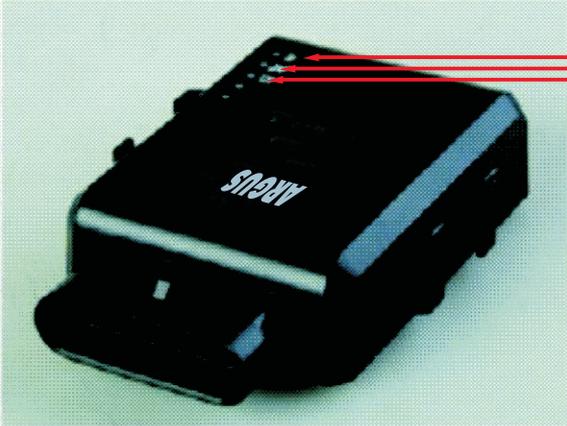
Top View	**GSM/GPRS Status LED** **GPS Status LED** **Engine Status LED**
Front View	**Special Design Connector**
Rear View	Platinum
Bottom View	**Installation HoldersGPS** **Installation DiagramEngine** **Device ID**
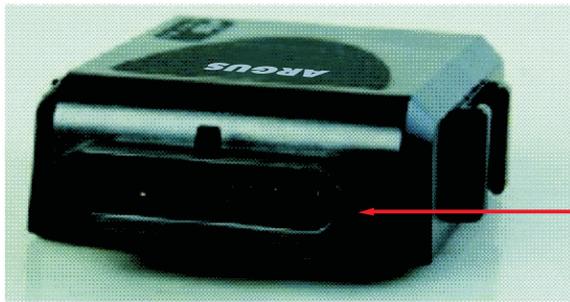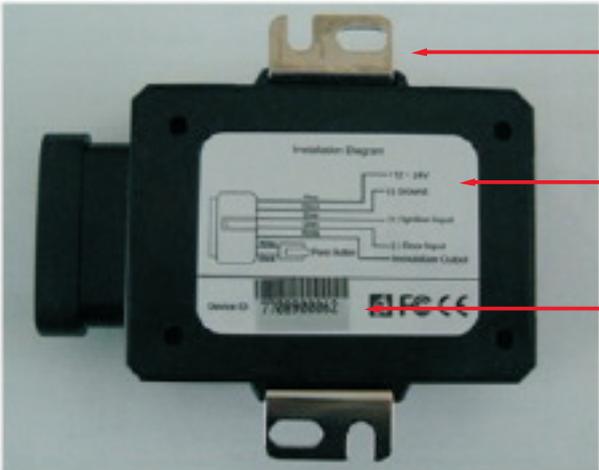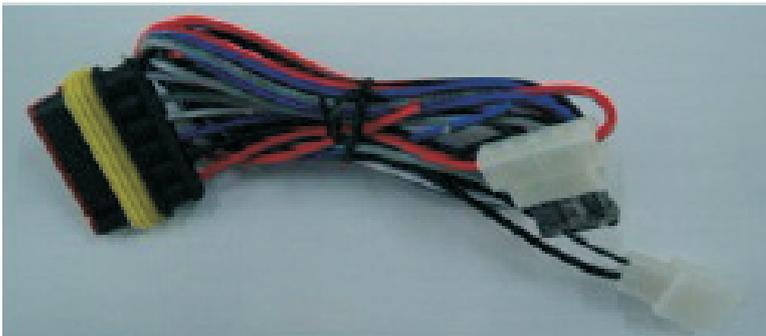
Wiring Harness	
Panic Button	

**GSM LED:** This LED will show the connection of GPRS. If this LED blinks very fast more than 10 times a second this means the control unit has successfully establish the GPRS connection with the server. If this LED blinks slowly this means the GPRS connection with the control center still not established. In this case you need to check the configuration of APN, IP, Port and SIM card. Be sure that the SIM card used in the control module is not PIN code protected.

GPS LED: This LED will show the status of GPS signals. If this LED stay constant this means the control unit has received GPS signal. If this LED blinks slowly this means the GPS module is trying to receive the GPS signal from satellite.

Unit ID: The number mentioned under the bar code is the control module ID. This ID is unique and used to control, locate and track the vehicle through software.

11. Molex 6 pin connector and wire colors
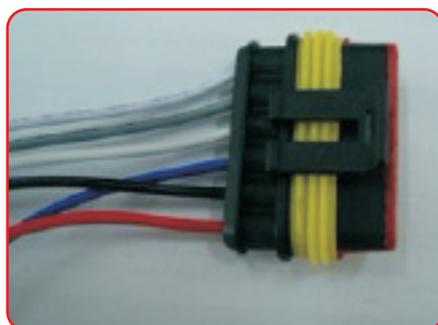
11.1 Wire Colors for Platinum

Wire Number	Wire Color	Description
Wire 1	Red	+12~24V constant power supply
Wire 2	Black	(-) Chassis ground input
Wire 3	Blue	(+) Input Ignition wire
Wire 4	White/Black	Input Panic Button
Wire 5	Grey	(-) Input Door
Wire 6	White	Immobilizer

11.2 Connection diagram of installation
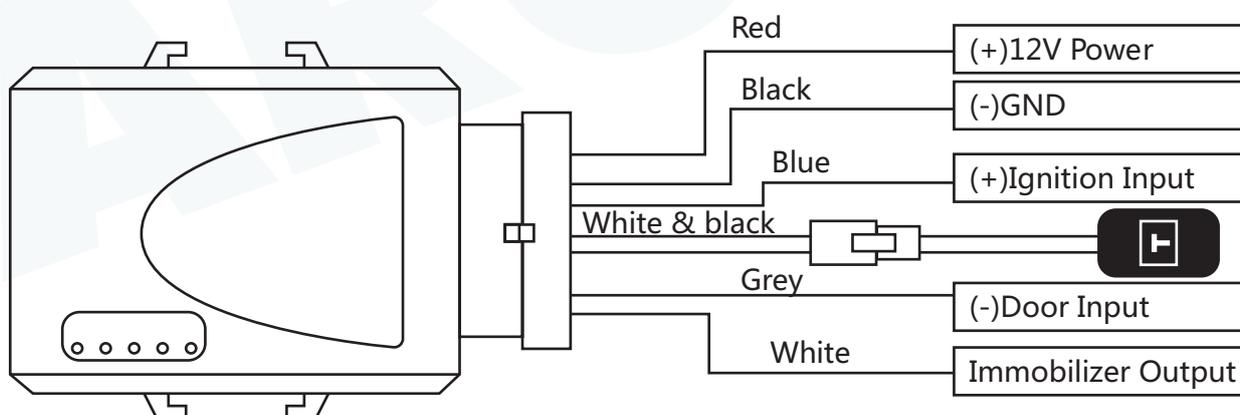
Red: Before connecting this wire, remove the supplied fuse. Connect to the battery positive terminal or the constant +12V supply to the ignition switch. Make sure the connection is firmly connected and secure.

**Black:** Remove any paint and connect this wire to bare metal, preferably with a factory bolt rather than your own screw. (Screws tend to either strip or loosen with time.) We recommend grounding all your components, including the siren, to the same point in the vehicle.

Blue: Connect this wire will Accessory (ACC) Ignition wire from the ignition switch. Remember this is +tve input wire.

Grey: This input wire is for the door switch. Connect it with the door switch. You can find the door switch wire as explained above. Remember this is –tve input wire.

White: This wire is for the starter kill. This wire activates the starter kill relay whenever receive immobilizer command from the control center. You can choose power cut off or fuel cut off. The blow diagram is for the power cut off. If you want to install it for the fuel cut off just follow the same diagram and cut the fuel injection wire instead of Engine high voltage wire.
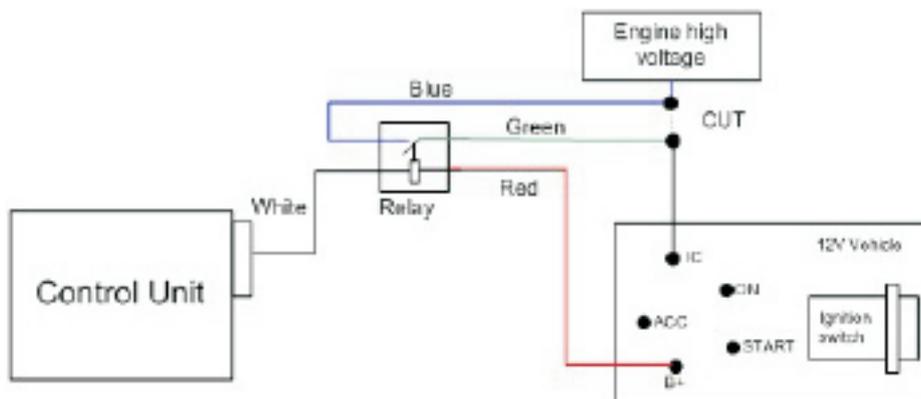
Connect the White Wire with a 32A relay and connects with fuel line or engine power line.

White & black: this wire is for the panic (SOS) button.

> **NOTE:**
> Control module start to work after the connection of power. If user only needs vehicle position then only this connection is enough.

12. User Based Commands

The user can use following commands in order to receive the location and immobilize the vehicle. These commands must be send by any mobile number and contain the password for each command. The commands must be sent in SMS format to the device SIM card. When the device receives these messages it respond to these messages according to the command and also replay back to the number which sent this command.

No.	Command name	Command format	Parameter	Remark	Example
1	Immobilization (SMS command)	Password, MB,M Default Password 000000	Password is the user's password M: value of 0 means release the immobilizer (the vehicle will able to start if you send command with 0) M: Value 1 means immobilize the vehicle. (The vehicle will not able to start the engine if you send this command with 1)	The default setting for the immobilizer disables. If this setting is not change to enable the user can't immobilize the vehicle. It is recommended that Control center or Admin of the web software must enable the immobilizer setting.	Send 000000,IMB,1 Reply of successful Implementation: Immobilizer set successful Reply of failure Implementation: set unsuccessful Send 000000,IMB,0 Reply of successful Implementation: immobilizer resume set successful

No.	Command name	Command format	Parameter	Remark	Example
2	Changing User Password (sms command)	Old password, UPW,M, New password	password is the user's password M: value of 1 Set new Password	Password length must be 6 digit (0-9)	Send 000000,UPW,1,123456 reply: client password is 123456
3	Query Location Information (SMS command)	Password ,PRQ,M	Password, PRQ,M	MCC :Mobile country code, 3 decimal digits, e.g. 232 Value 000: not decoded MNC :Mobile network code, 2 or 3 decimal digits, e.g. 03 Value 000: not decoded LAC: Location area code, 4 hexadecimal digits, e.g. 3010 Value 0000: not decoded CID Cell ID, 4 hexadecimal digits, e.g. 4EAFValue 0000: not decoded	Send 123456,PRQ,1 Reply: http:maps.google.com/staticmap?zoom=14&size=200x200&markers=39.949328,116.3875&sensor=false Send: 123456,PRQ,0 Reply: MCC=460 MNC=1 LAC=517A CID=1FB1
4	Set SMS center No.	Password, SCN,scn number	Country code should add into the SMS center No.		Send: 467233,SCN, 8613800200500 Answer: SCN:8613800200500
5	Set checking IP and Port NO.	Password, TIP,M,IP_ addr, Port, Redial Times	1.M=0istocheck parameters; M=1 is to set parameters 2. IP_addr: control center GPRS server IP address, the IP address must be separated by"#", no full stop or other delimiter can be used here. 3. Port: control center GPRS server monitor port NO; Redial Times: The total times device will continuously redial Control Center if previous dial failed. Value range: 5-255 4.Redail_Times<5, default settings 5, Redail_Times=255 means unlimited times		send: 467233,TIP,1,114,142,154,28,1212,5 answer: IP&PORT:114.142.154.28:1212
6	Set checking APN, PAP user name and password	Password,APN,M, apn name, pap name, pap password	1. M= 0 is to check parameters, 2. M=1 is to set parameters The length of apn_name,pap_name,pap_password must be less than 32 bytes, can't use",		Send : 467233,APN,1,cmnet,, Answer: APN:cmnet PAP_NAME: PAP_PASSWORD:

13. LED flash state explanation

1. GSM light
a. Flash slowly, 1 second is on while 1 second is off and it has no GSM signal
b. Flash fast, 0.5 second is on while 1 second is off and it has GSM signal
c. Keep on flashing fast, 0.2 second is on while 0.2 second is off and GPRS is working and sending data.
2. GPS light
a. Flash slowly, 1 second is on while 1 second is off and it has no GPS signal
b. Flash fast, 0.5 second is on while 1 second is off and it has GPS signal from one to three satellites.
c. Keep on flashing. It means it has received GPS signal from four or more than four satellites and successfully gets GPS position.

14. Install the removed components

Finish the following installation after testing:
1. Recheck all the wire connections and wires.
2. Install all the removed components and keep all the things the same as before.
3. Clean the motorbike

Explain method of using to vehicle owner
1. Demonstrate the using methods
a. Inform vehicle owner about the place of emergency button
b. When encountering danger, press this button and release it after 2 seconds. It will send alarm message to monitor center automatically.
c. Call service center to query position when owner wants to know the position.
d. Call service center to send command to vehicular device when owner wants to enter monitor status. Vehicular device will dial contact phone number automatically to enter the status.
e. Press emergency button and release it after 2 seconds after receiving SMS which can be read automatically.
2. Things that should be pay attention to
a. Be sure that SIM card has enough balance.

15.Default Parameter

Description	Setting
Auto Tracking	OFF
Auto input trigger response	OFF
Tracking interval	0sec
Group ID	0
Speed Limit	OFF
Geo-Fence	OFF
Trigger Option	OFF
Receive calls	Enable
Outgoing Calls	Enable
Call limited option	Disable
GPRS IP	Set as per provided by customer
TCP record mode	Standard
Mileage	0 km
SMS send mode	Normal
Alarm times	3
GPRS Tracking interval	300 Sec
GPRS tracking batch	1
Driving Record interval	60 sec
Foot brake activation upon ACC = ON	Enable
Alarm Function	OFF
Send SMS	ON
Send SMS via GPRS	OFF
GPS	ON
GPS Sleep mode	ON
Auto answer hotline	OFF