

Haicom HI-604 GPS Tracking Device

with 5-years Standby Battery

INTRODUCTIONS:

This is a multi-function state-of-the-art GPS tracking solution offering you a 4 in 1 solution GPS/GSM/GPRS/SMS/DTMF all in real time - the most flexible tracking device in the world - a great marriage of the latest technology and affordability.

With **HI-604** multi function tracker, one can track, remote control, tapping any object globally in real time on the map. User can check the real time location from the GPRS tracking web site or using the Haicom Tracking software installed on the PC and check the real time position on the map via the regular dial tone transmission.

HI-604 tracking Device is the best tracking solution for use in the widest range of applications, from motor homes to mobile home, from cars to caravans, from agricultural machinery to construction equipment, from containers to golf carts – all the assets that you feel could be at risk, especially if they do not have their own source of power.

Just place the tracker where there is no metal material on above, user can see his valuable anytime, anywhere from any computer. The waterproof case allows the tracker still functioning even though under tough and harsh environment. The build in big battery provide the independent power supply even if there is no external power supply. The moving sensor will let the tracker totally switch off (only the microchip standby: 10 mAh) and the tracker can operate very long, could be years, if there is not much movements. With the moving sensor, the tracker will not drain the car battery when the tracker connected to external battery power.

Features

Haicom Asset Tracking Solution offers you a lot of advantages

- Our GPRS tracking software Platform and server is free; if you have your own server we can program our tracker with your server protocol
 - Worldwide coverage with NO additional programs to buy or install - no additional or hidden costs!
 - Built-in moving sensor with deep sleeping mode (0.1mA)
 - Built in 5,500 mAh battery for independent power
 - Stand-by time up to 5 yrs (depending on tracking needs)
 - High sensitivity GPS fixed
 - Multi-ways tracking software plate form available
 - Waterproof case for harsh condition environment
 - Customizations for different tracking applications
 - Comes with strong Magnetic mounting for easy attachment
 - Stand alone (Internal Antenna - Self Contained Unit)
 - User can switch the DTMF mode or GPRS
 - Worldwide coverage using GSM/GPRS/SMS/DTMF
 - allow you to monitor both on demand or at regular intervals
 - Ultra low power GPS.
 - All-in-one design.
 - Provides you 24/7 access to the location of all your assets.
 - 100% free DTMF live tracking with or with out internet
 - LIVE real-time tracking, configurable from every 30 second to 72hour GPRS updates!
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- Give complete supervision into your operations by seeing how long assets are sitting around in one place, when they start moving / stop moving etc.
 - Establish how long the assets are being used (actual operations time).
 - Warns when unauthorised/unwanted movement happens.
 - Provides security and accountability.
 - Enables the recovery of any stolen assets.
 - View asset's history online from any computer

Applications

- Police Force and law enforcement Sector
- Private Investigations Sector
- GPS Asset Tracking
- GPS Cargo Tracking
- Surveillance Work
- Anti theft – both domestic and commercial
- Asset recovery

How The HI-604 GPS Tracker Works:

Once fully charged, the HI-604 battery can last up to 5 years, depending on usage, it has a built-in movement sensor that can be configured directly to alert you on your mobile phone and our server automatically when the object is moved or touched. The owner can locate the asset at any time using our DTMF solution. The HI-604 unit can also be programmed to automatically report its position at regular pre-set time intervals, which could be from every 30 seconds to every 72 hours.

Getting Started:

1. Take out the waterproof side rubber seal and connect the 18 pin cable to HI-604 and plug another end to the USB port from computer or to the AC power outlet with the AC adaptor for power charging.



2. Place the SIM card on the SIM card tray and slid in the SIM card tray in. When the SIM card tray inserted in place, the HI-604 power will switch on.



3. To switch off HI-604 power, simply push in the yellow dot with any pen.



Dimension:



LED Indicator:



LED Color	LED	Status
Amber	On Off	Charging Charge Completed
Green	flashing Stay on Off	GPS in 3D fixed GPS not 3D fixed yet GPS in sleeping mode
Red	On	Battery low
White	64 ms ON/3S OFF 64 ms ON/0.8S OFF	GSM stand-by Searching GSM network or no SIM

Electroncis Specifications

System

Input voltage	5V
Battery	Build in 5500 mA/h 3.7V Li-ion Battery
Operating Temperature range	-30°C~ + 80°C
Power Consumption	
Full Power	(stand by) 90 mA
Sleep Mode	(GPS OFF, GSM ON) 25 mA
Deep Sleep Mode	(GPS OFF, GSM OFF) 0.15 mA

GPS

Power	3.0~3.3V
Chip	Sirf StarIII GSC3 6LPx
C/A code	1.023 MHz Chip rate
Frequency	L1, 1.575.42 MHz
Channel	20
Datum	WGS-84
Reacquisition	0.1 sec., average
Hot start	8 sec., average
Warm start	38 sec., average
Cold start	42 sec., average
Altitude	18,000 meters (60,000 feet) max
Velocity	515 meter/second (1000 knots) max
Acceleration	4G, max

GSM

Power	3.4~ 4.5V
Quad-band	GSM850, EGSM 900, DCS 1800, PCS 1900
Transmit power	Class 4 (2W) at GSM850 and EGSM900
	Class 1 (1W) at DCS1800 and PCS 1900
GPRS connectivity	GPRS multt-solt class10 (default)
	GPRS multt-solt class 8 (option)
	GPRS mobile ststion class B
SMS	MT, MO,CB, Text and PDU mode

Standard Packing:

1. HI-604 main unit
2. 18 pin to USB cable
3. AC power adaptor
4. mini CD
5. User manual

1.



2.



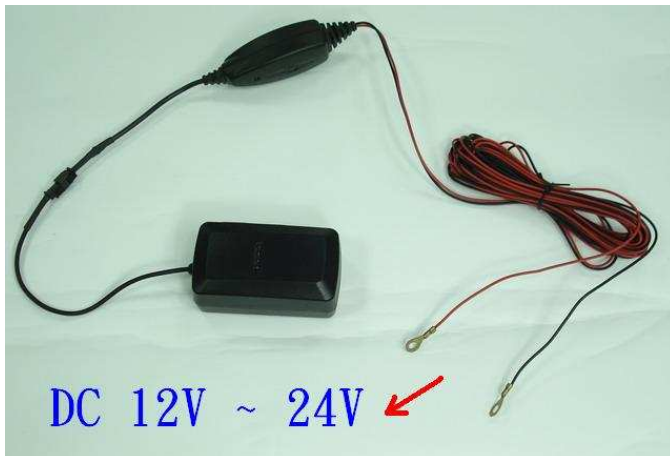
3.



Connect HI-604 to vehicle battery:

With the optional car battery cable (5 meter in length), user can also connect HI-604 to the vehicle battery for permanent power supply.

Car battery cable:



The car battery cable can be connected directly to the vehicle battery (12V or 24V) and transfer into 5V for the HI-604. Very important: don't connect HI-604 pintail cable directly to the vehicle battery because the pintail cable takes only 5V.



GPRS Tracking:

Set up the APN, IP and Port:

☆ Before the set up, please install the USB driver first. The USB driver is inside the inclusive small CD.

1. Connect HI-604 to computer USB port



2. Run the APN set up program (inside the inclusive small CD) and open the 602V090703C folder

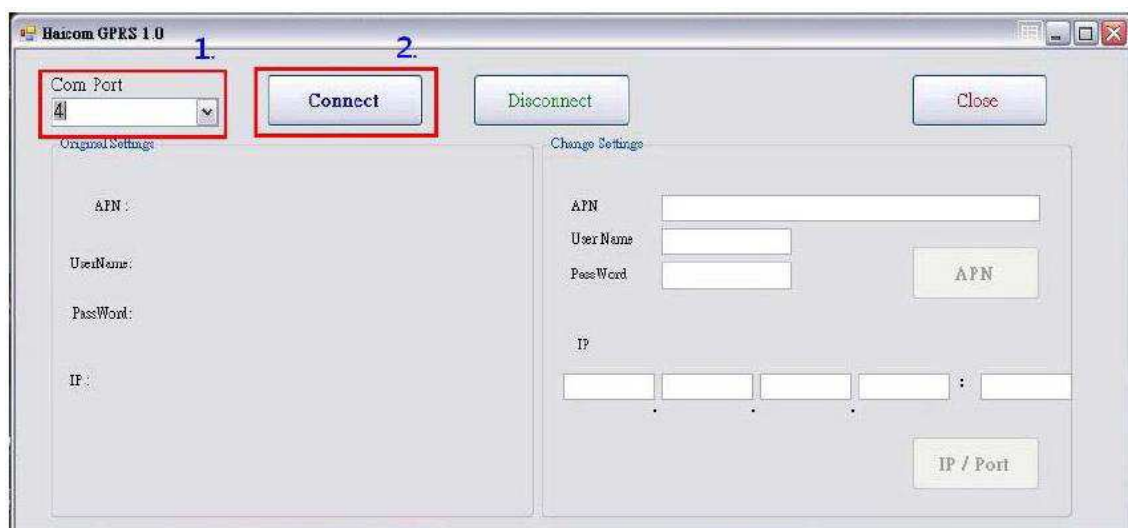
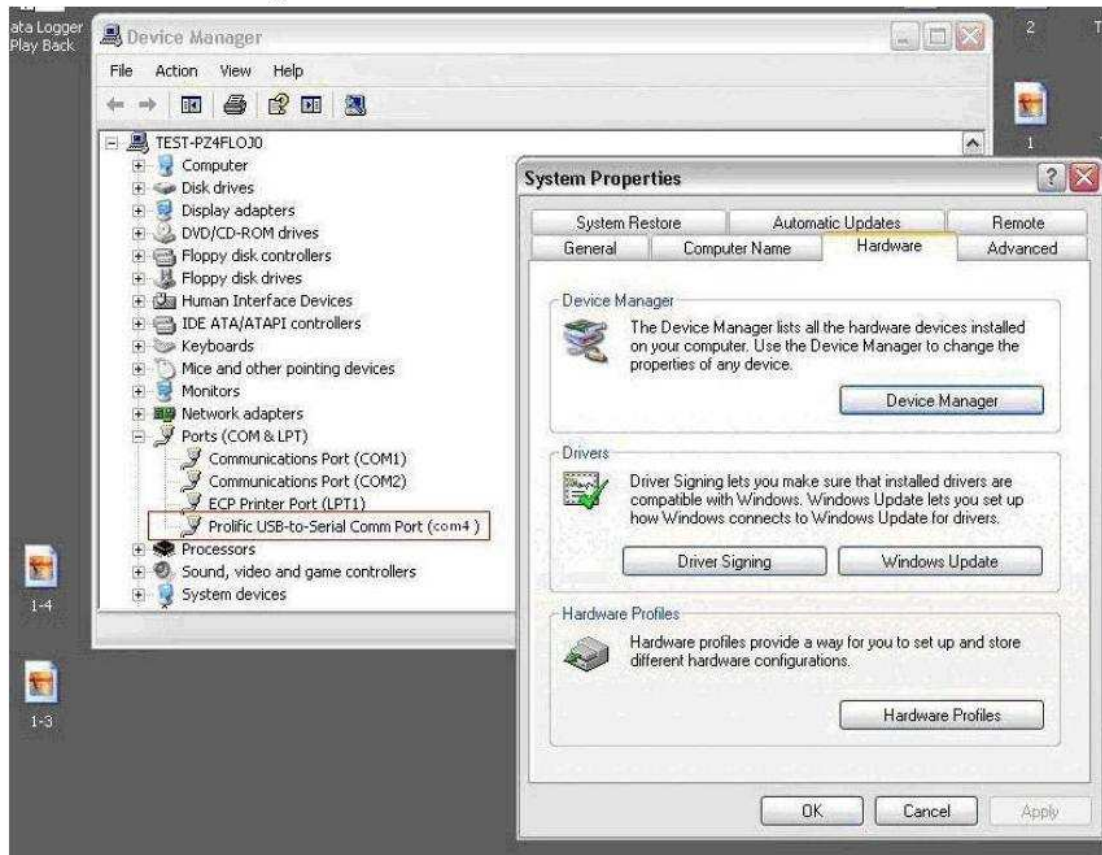


3. Select the USB com port

Click “ Connect “

Push the SIM card tray in place to power on the HI-604

(Very Important: before this step, the SIM card tray can not push in place)



4. Key in the SIM card APN - Access Point Name

(Please consult your local telecomm service provider if you don't know the exact APN)

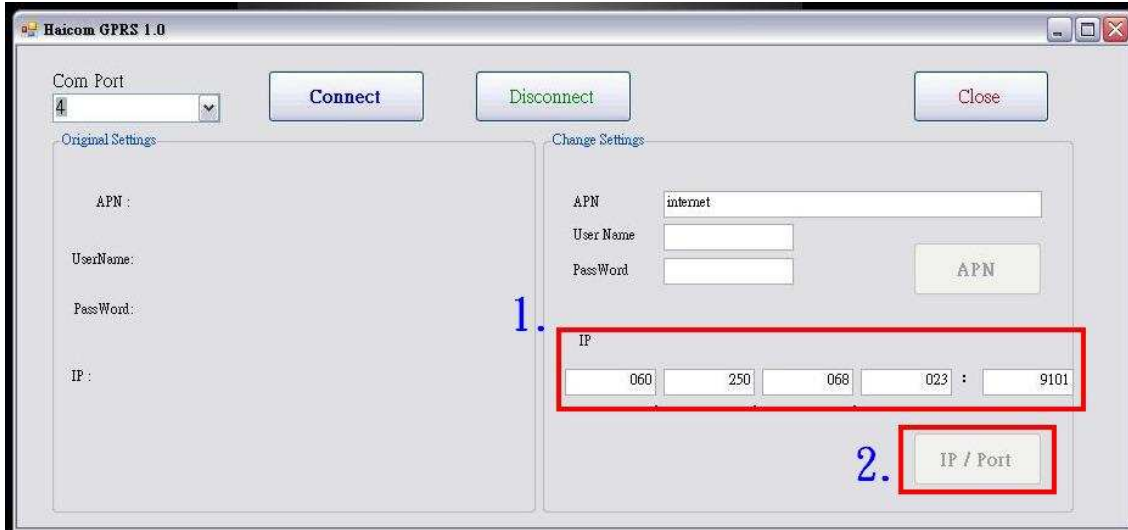
Click the red APN icon to set up



5. Key in the IP and Port

(Every IP column must with 3 digits. If your IP address only come with 2 digits, please fill in " 0 " in front of the 2 digits and the Port must with 4 digits)

Click the red IP/Port icon to set up



5. Switch HI-604 off and on (by push out and push in the SIM card tray) to change the set up.

☆ The HI-604 default setting is come with TCP mode. If your GPRS server come with UDP mode, please change the setting to UDP mode by using the dial tone command setting:

1. Call the tracker phone number and hear the continue dial tone
2. Press # and the dial tone stopped
3. Press 0000 (default pass code) and hear a " B "
4. Press 380# and hang up the phone to complete the set up

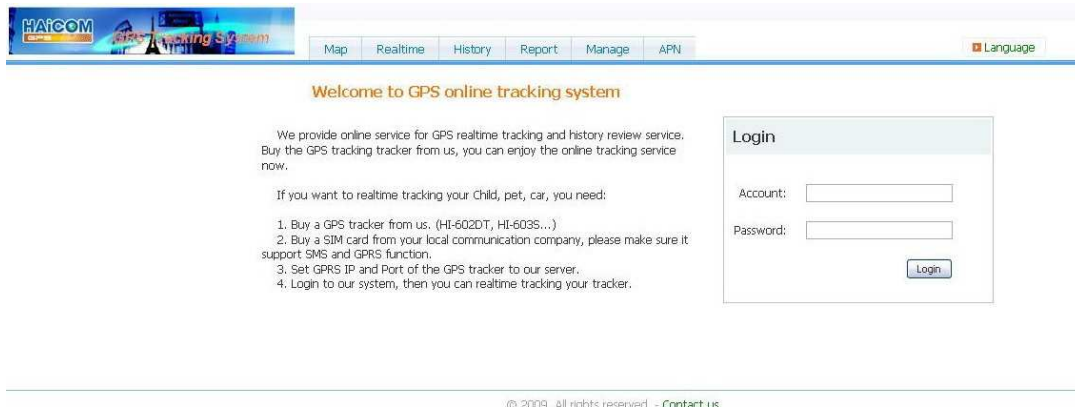
GPRS tracking from Haicom web site:

After setting up the SIM card APN, user can fill in Haicom IP and Port (060 250 068 023 9101) to track from Haicom web site.

1. Enter Haicom home page : <http://www.haicom.com.tw>
2. Click the “ Haicom GPRS “ icon



3. Hyper link to Haicom GPRS page



4. On HI-604 unit, you will find the code starting with HIXXXXXXX the account and the password is the same.

Account : HIXXXXXXX

Password :HIXXXXXXX



5. After login, select the “Manage “ for Modify Password

The screenshot shows the HAICOM GPS tracking system login page. The top navigation bar includes links for Map, Realtime, History, Report, Manage, and APN. The 'Manage' link is highlighted with a red box. Below the navigation bar, there is a 'Welcome to GPS online tracking system' message and a list of instructions for users. To the right, there is a 'Login' form with fields for Account (HI999999) and Password (*****), and a 'Login' button. Below the login form, there is a 'Manage' sidebar with options: Tracker Config, Modify Password (highlighted with a red box), User Account, and Email Setting. The main content area shows 'Add New Tracker' and a table with columns: Name, Model, Tracker ID, and Operation. The footer contains the copyright notice: © 2009, All rights reserved. - Contact us.

6. On Realtime page, Select “Add New “

The screenshot shows the HAICOM GPS tracking system Realtime page. The top navigation bar includes links for Map, Realtime, History, Report, Manage, and APN. The 'Realtime' link is highlighted with a red box. Below the navigation bar, there is a 'Select GPS tracker' section with an 'Add New' button highlighted by a red box. The main content area displays a map of a city with various streets and landmarks. On the left side of the map, there is a sidebar with fields for ID, Time, Lat, Signal, Orient, Address, and Output. The footer contains the copyright notice: © 2009, All rights reserved. - Contact us.

7.The tracker name is what you want to call your tracker The tracker ID is the IMEI number on the tracker Click on “ Realtime “ you will see your real time location

Click on modify password to change the password if you wish to change the password

Click the User account to change the time zone



HAICOM GPS Tracking System					
Map	Realtime	History	Report	Manage	APN

Manage

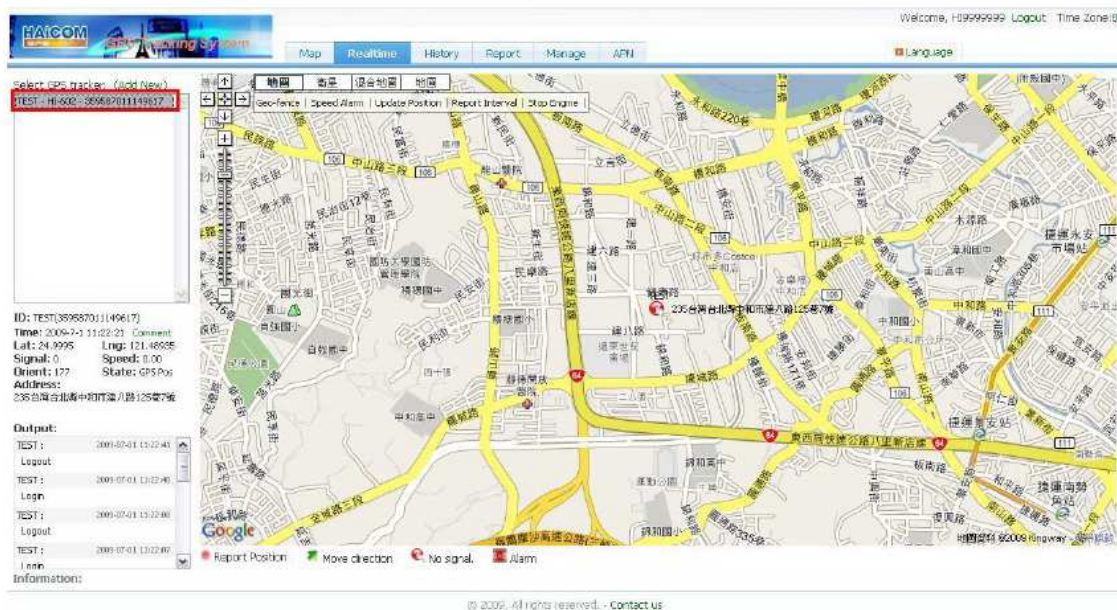
- Tracker Config
- Modify Password
- User Account
- Email Setting

Modify GPS Tracker

Name:	TEST
Model:	HI-602
Tracker ID:	359587011149617 Please input digital number

Modify

8.Completed the set up



Welcome, H9999999 Logout Time Zone:8

Map Realtime History Report Manage APN

Select GPS tracker (Add New)

TEST HI-602-359587011149617

ID: TEST(359587011149617)
Time: 2009-7-1 11:22:21 Comment
Lat: 24.9995 Lng: 121.4695
Signal: 0 Speed: 0.00
Orient: 177 State: GPS Pos
Address: 235台湾台北市中和市溪八路125号7楼

Output:
TEST: 2009-07-01 13:22:45
Logout:
TEST: 2009-07-01 13:22:45
Login:
TEST: 2009-07-01 13:22:45
Logout:
TEST: 2009-07-01 13:22:45
Logout:
TEST: 2009-07-01 13:22:45
Logout:

Report Position Move direction No signal Alarm

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HI-604 dial tone command list

