

HI-601VT

Q & A

> hi, my name is david just bought hi 601vt real tracker, but i can not
> programm my telephone number, first i call the number inside, then press# ,
> then press 0000 (preseted password) then 1 614 1423414 that is my phone
> number followed by * but the unit gives me four dudududu not accepting the
> program , do you know what i am doing wrong?

Dear Sir,

Sorry for the problem.

Without the decoder, you still can do some remote control to the HI-601VT and receive the location by SMS message in none real time bases.

You can see the full details from the HI-601VT operation manual B (download from the HI-601VT section from www.haicom.com.tw)

The four DU, mean the key in not valid.

When you key in and set up the dial back telephones, please dial each digits slowly(1 or 2 seconds interval)

Please see the attached procedures and let me know if there still problem.



Set up the device pass code:

- (1) Dial to HI-601VT and connected
- (2) Press * and press the four digit numbers (the pre-set four digit number are 0 0 0 0) After this, user will hear a responding long " DU " to verify the basic set up procedures. If it is wrong set up, it will responding " du du du du "
- (3) To change the pass code: press 0 and press the prefer pass code TWICE then, press * to complete the procedure.

Set up the 3 numbers anti-thief dial back and the 3 SOS dial back numbers:

- (1) Dial to HI-601VT and connected
- (2) Press * then, press the four digit pass code. Hear a long " DU " for pass code verified,
 Press 1 then, press the first set (anti-thief) dial back telephone number.
 Press * to complete the procedure.
 Press 2 then, press the second set (anti-thief) dial back telephone number.
 Press * to complete the procedure.
 Press 3 then, press the third set (anti-thief) dial back telephone number.
 Press * to complete the procedure.
 Press 4 then, press the fourth set (SOS) dial back telephone number.
 Press * to complete the procedure.
 Press 5 then, press the fifth set (SOS) dial back telephone number.
 Press * to complete the procedure.
 Press 6 then, press the sixth set (SOS) dial back telephone number.
 Press * to complete the procedure.

EXAMPLE:

Press " 3 0912 123456 * " for set up the third anti-thief dial back telephone number (The 0912123456 is the telephone number)
 Press " 3 * " hear nothing -> for canceling the third dial back telephone number

I have 2 doubts :

- 1) Is necessary to carry decoder to all places for track in a computer, notebook ??
- 2) Is possible track and to get a trace in colour over the map, showing trace of car in real time ??? Or I must input coordinate data digit by digit, manually ??

Yes, here are the replies to the two doubts:

1. The decoder only needed when you want to do the real time tracking.

Without the decoder, you still can do some remote control to the HI-601VT and receive the location by SMS message in none real time bases.

You can manually key in and get the position.

You can see the full details from the HI-601VT operation manual B (download from the HI-601VT section from www.haicom.com.tw)

2. Yes, with any local mapping software, say Tomtom, Navigon, Destinator, etc. and the decoder, you can see the HI-601VT with the object in REAL TIME.

No need any manual key in. After set up with the decoder, you can see the object moving in real time without any delay. Attached are some different ways to do the real time tracking with the decoder and the map.

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Most mobile phone come with the audio plug output and they are compatible to either 2.5mm or 3.5mm audio jack.

Just plug the HI-601VT inclusive audio jack cable to the mobile phone while another end to the decoder to lead to voice message to the decoder.

Any local mapping software are compatible to the tracking.

Just use the decoder as a regular GPS receiver by selecting the correct com port and start GPS.

This can explain why it's wrong? I think the 8 minutes is about 20 km.

Anyway, can You give me info regarding mobile phones that have a plug output that fits the cable? All mobil phones made in Sweden (Nokia, Ericsson) have another contactor interface for voice head set. The old plug doesn't exist.

Could You also tell me what mapping software works with the tracker?

Please use the inclusive decoder and do the realtime tracking with your PDA or laptop when you driving. You can see from the mapping software that HI-601VT keep reporting the realtime location and see if there are any wrong position or not.

If the HI-601VT not moving, it keep reporting the current location. Since the inclusive SIRF StarIII GPS module come with "Static Navigation" function, the position may not corrected compare when it is moving. When the SN function is on, the long. and latt. will not change if you don't move more than 20 km

Yes it is strange.

The reason why I know it is 8 minutes is that I know the position on my house. The position is N 59°38'28.97 E 17°51'03.64 The Haicom tracker reports: N 59°30'00.90 E 17°51'10.00 Everytime it reports N 59°30' ..

This is about 8 minutes wrong and it is the same 8 minutes every time!

What can I do about datum format?

Have discussed with my engineer and it is strange to us because if it is wrong, the long. and lat. Should both wrong. Can I know how you tell they are 8 minutes wrong ? Also, if you have the optional cable to make the HI-601BT as a regular GPS receiver (see attached), you can compare and tell what goes wrong. Another issues, could be the different datum format. HI-601VT uses the WGS84 datum and please make sure.

I try to use the Tracker just by getting SMS. But it always shows wrong coordinates. Longitude is ok, but Latitude is always about 8 minutes wrong.
Can You help me with this?

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[We would like to have some technical information about the HI-601 VT GPS/GSM Tracker.](#)

[How to transfer the coordinates in real-time to google earth by the decoder unit ?](#)

[is possible to work with a gprs sim ?](#)

I'd like to explain more about the HI-601VT.

Inside HI-601VT, there are four main parts: GPS receiver module, GSM module, processor unit, power management unit.

The GPS receiver receive the current location and the processor unit transfer the digital GPS NMEA data into analog voice message and use the GSM network to send the voice message to the host side.

The host will receive the voice message (a continue beeping or dialtone). Then, use the inclusive decoder to decode the dialtone back to digital GPS NMEA data.

From your PDA or laptop, select the com port (of the decoder), start GPS from the mapping software (any mapping software), you can see the moving object (your car, people, boat, etc.) moving in realtime.

Unlike GPRS solution require montyhly fee, special software and control center, HI-601VT is point to point solution and anyone with a telephone can perform such realtim tracking at home. That's why we use the GSM solution instead of the GPRS solution.

Attached is the HI-601VT advantages for your reference.

Anyway, when you have the HI-601VT sample, you can test it and know how it exactly work.




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Just like you call someone and he tells you where the object is and shows you where he is on the mapping software. HI-601VT provide non-stop and continue real time tracking without time limitation. Just like you talk to someone over the phone as long as you can.




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GPS



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HOW HI-601VT works:

Unlike most GPS/GSM tracker using the GPRS communication in SMS message in none-real time mode and require control station (require monthly fee) or Internet access, HI-601VT no need any control center and special software. Since it is point to point solution, it is also no need to check the object from the Internet. wherever one can make the phone call, one can track the object and see the moving from any mapping software in real time.



2

I am testing your HI-601VT ,

for the configuration of it I do not a problems (my number, Sms, Code....).

I have problem with the DECODER, I do not receive the nmea sentence to my PC .

Please, Follow my step below,

- 1 - I have connected the phone jack to my motorola phone and from Decoder the RS232 to my PC,
- 2 - I Call the HI601VT with my Motorola phone,
- 3 - The HI601VT response to me and the LED GSM is turn on, GPS Led is blinking (Fix OK)
- 4 - On Decoder blinking the followings Led togheter , RED and ORANGE.
- 5 - The Green Led do not turn on .

You can see my connection on your manual , page 13, Option#4 .

In attached do you found also my short video about the Decoder connection and Led blinking.

Can you help me ?

Thanks for your feedback and the vedio.

The connection should be OK.

Please not connect the audio cable first and make the phone call to the HI-601VT.

After phone connection, you should hear the continue beeping (dialton).

When you can hear the beeping, then, connect the audio cable to what you have connected.

Because of from your information, the green light is not on meaning the GSM data not in yet.

Do let me know if there still problem.

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OK, you use the home phone.

We will try to make the RJ11 to the mini1394 cable to the decoder so that you can lead the voice message to the decoder. Meanwhile, can you find a mobile phone with 3.5mm audio jack.

Andlead thebeeps fromthe phone to the decoder by using the inclusive 3.5mm audio jack to mini1394 Y cable (like the attached connection)

I have tested it with our Siemens OptiPoint phones, and our Uniden cordless phones (with headphone socket). When I pick up the phone handset, I can hear the beeps being sent back by the HI-601.

Do you have a cable that has a female 2.5mm audio socket, to an RJ11 phone handset socket? This way, I could plug your cable straight into our phone. If we were to sell this device, we would like to have this cable to make it easier for customers!

OK, when you dial the telephone number inside the HI-601VT, you will hear the continue dial tone meaning the HI-601VT sending back the location in analog voice message.

Even though the decoder do not receive and connect to the HI-601VT, the decoder keep generating the old NMEA data.

Please tell me what phones and what device that you test with.

Please make sure the decoder audio cable and data cable connected properly.

I believe that it should be the cable connection issues.

Since it is new product and there might have some procedures to familiarize and I'm really hope that you can make it working.

I have tried it with two different phones now, and both times, the HI-601VT decoder does not receive any correct data. Could it be a problem with the Australian telephone system?

Sorry, I meant to say the Bluetooth light is solid. I am definitely receiving NMEA on my laptop, but it is old NMEA, and not of my current position.

The blue light flashing mean the Bluetooth not connected to your device.

Please make sure the BT connect.

Let me know

I am using Bluetooth, but also get the same problem with USB on my laptop.

The Bluetooth light flashes blue

The Green light is not on at all

The red light is flashing

The yellow light is flashing

Please see the decoder if the green light and the red light on.

The situation that you have could be the decoder not receiving the current data and still generating the old data.

Let me know and I'll get back to you soon.

Also, what devices, PDA ro laptopPC with Bluetooth that you test with.

I have opened the mapping software, and started the GPS, but the location is in Taiwan somewhere. Even though the GPS has a fix (flashing red light).

You have done the correct process.

Now, just open the mapping software and select the correct com port, start GPS.

On the map, it will show you the HI-601VT current location.

We have deleted some unnecessary NMEA sentences. The main NMEA the decoder generating is the RMC.

As you can see the RMC already show the current GPS location.

Anyhow, let me know if there still something wrong.

We received our Haicom GSM Tracking GPS, but I can't get it to work. I put the SIM card in, and the GPS has a fix. I call the SIM card, and the yellow light turns on to show it is connected. On the phone, I can hear a series of beeps. When I plug it into the decoder, this is the NMEA I receive:

In - DTMF V9.0

*In - \$GPRMC,990001,A,2459.9691,N,12129.3610,E,000.0,196.1,190305,003.1,W*66

In - \$GPGGA,160001,2459.9691,N,12129.3610,E,1,04,2.0,18.5,M,16.5,M,,*7C

In - \$GPGSV,1,1,04,20,07,066,42,06,47,291,46,01,81,050,40,22,32,040,48*73

In - \$GPGSA,A,3,20,06,01,22,,,,,,,,,3.3,1.5,2.9*38

In - \$PGRMM,WGS 84*06

In - DTMF V9.0

*In - \$GPRMC,990000,A,2459.9690,N,12129.3610,E,000.0,196.1,190305,003.1,W*66

In - \$GPGGA,160000,2459.9690,N,12129.3610,E,1,04,2.0,18.5,M,16.5,M,,*7C

In - \$GPGSV,1,1,04,20,07,066,42,06,47,291,46,01,81,050,40,22,32,040,48*73

In - \$GPGSA,A,3,20,06,01,22,,,,,,,,,3.3,1.5,2.9*38

In - \$PGRMM,WGS 84*06

It does that repeatedly and never shows the GPS real position. What are we doing wrong?

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Can I buy my own SIM card or only sim card from Haicom for use with Tracking unit ?

Will I be charged for roaming and get different bills every month ?

Is this service available anywhere ?

Will GPS tracking work anywhere ?

How does Tracking unit work ?

Do I need to make any payment for licensing GPS, GPRS services ?

Is GPS/GSM available everywhere ?

Do I need to do any settings in my Tracking unit and install it ?

Can I receive SMS or talk using Tracking unit ?

When do I get my username & password ?

Give list of software that can be used with HI-601VT

Can I mark my home, office, customer locations on the maps ?

Google Earth provide several tools to mark your placemarks and our system will work with the same. Our system just displays its data on Google earth while supporting all its features. Hence, you can use several useful features of google earth to enhance your experience. For this please visit <http://earth.google.com> or see Google Earth help. We provide additional facility where if you make your own placemarks in google earth and save them in google kml format, you can upload it on our website and also see them on web based Google Maps in additiona to desktop based Google Earth.

What are the applications we can use with HI601VT?

Yes, here are the replies:

1. Yes, any SIM card including the one with you is OK for the HI-601VT tracker.
2. No any extra charges beside the phone call charge.
3. HI-601VT can be tracked anywhere in the world as long as the GSM available (there are only two countries in the world not workable: Japan and Korea because they use CDMA system instead of GSM)
4. See answer 3.
- 5, GPS works any corner of the planet.
6. Please see the attached for how the HI-601VT work.
7. No any GPS, GPRS license issues
8. See answer 3.
9. There are some settings by press the phone buttons and you can see the details from the manual.
10. Yes, beside voice message send back, user can also receive SMS notice from the HI-601VT.
11. No need key in user name. You can set the device with or without pass code. See also the detail settings from the manual.
12. Any local GPSmappings, such as, Tomtom, Destinator, Autoroue, etc. sold from the street are workable and do the real time tracking.
13. Yes, you can mark your home, office, customers locations on the GPSmap.
14. User can use the HI-601VT to do the real time tracking to any moving objects, such as, vehicle, boat, person, pet, etc. HI-601VT can also act as a regular Bluetooth GPS receiver.

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But which NMEA sentences? You know, NMEA has many messages and I think, the unit will not sending all. But GPRMC has no altitude in the message.

Yes, we only need to know the lon. and lat.

To save the transmit amount, the decoder only send RMC, GSV, GGA, GSA and WGS 84 data to the PDA or PC.

These sentences are good enough for the real time tracking.

I have a question about the 601VT: Which NMEA-Message send the unit?

There is a SiRF StarIII GPS receiver inside HI-601VT generate the standard NMEA protocol message.

This digital message will transfer to analog voice message sent by the GSM network.

When the phone from the host side receiver this voice message, the user use the inclusive A/D decoder to transfer the voice message to the standard digital GPS NMEA format data.

HI-601VT is the real real-time tracker because we use the GSM network instead of GPRS solution.

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We know this technology and it is interesting, too.

Please, could you send me a graphic with the installation car ?

There are several details what we need to check in the installation.

Another question is, could you explain me how many parts include the product ?

Unlike traditional metal case vehicle tracking device, HI-601VT can work for both personal or vehicle tracking without any installation.

Just place HI-601VT on where the GPS can get satellite signal or throw it into the trunk with GPS antenna out, one can instantly start tracking.

You can put HI-601VT on some one back pack or motorbike and start tracking.

Unlike all other trackers, HI-601VT can work with any regular GPS mapping software, Tomtom, Destinator, etc. or Google Earth, etc. and no need special software to go to internet.

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