TZ-GTM01 User Guide

DIY low cost control center

Version 2.0

TzoneTrack DIY Call Center System

DIY your tracking!!!

DIY !!! Build your control center system on your PC

Easily and at low cost Live and Real-time

Overview

This DIY system was specially developed for Tzone GPS Trackers. With this application software, + Tzone GPS Tracker, +TZ-GTM01 SMS Decoder Modem, you will be able to use your own PC to track the position of your loved one without the need of a call center. For example, you can use this system to monitor your child, the elders, the pets, your car, or the assets installed with our GPS Tracker - live and real-time. Without any payment to the call center.

This application software enables you to use Google Earth to track your vehicle(s) LIVE & Real-Time in office or home by your own PC; without the call center. It can also replay the historical route(s) afterwards.

Features:

- 1 Build your own control center system at very low cost
- 2 DIY your tracking, and Without any payment to center service
- 2 Easily support up to 1000 GPS Trackers
- 3 Support the trace storage and replay.
- 4. Living and Real time
- 5. Easily use, a good choice for small enterprise, home, small group

Version of TzoneTracker is recommended and available

Personal Version
 SOHO Version
 Small Enterprise Version

To build the DIY call center system, You NEED: ---- (very low cost)

- (1) Google Earth (download from <u>http://earth.google.com</u>) Or any other navigation map software (PC version)
 - (2) one PC
 - (3) TZ-GTM01 SMS Decoder modem (provided by Tzone GPS)
 - (4) TrackMaker software on PC (provided by Tzone GPS) Or Goops ---
 - (5) Some Tzone GPS Tracker (provided by Tzone GPS)

Architecture



Step by Step User Guide

Step1 you need to assure

 your PC is linking to internet, because google earth can not work well without internet
 SIM card have SMS function, and have enough deposit.
 the OS of your PC is Windows 2000 or Windows XP, Windows XP is suggested.

Step3 Install TZ-GTM01 modem PL2303 Driver

Open directory G: \PL-2303X_Driver\PL-2303HX_NewVesionDriver Run PL-2303 Driver Installer.exe. then press next till finish.



(tip: if you already installed PL2303 driver, you need uninstall it before reinstall it again)

Restart your PC;

At this time, if you connect the TZ-GTM01 Modem to PC, you can find one new COM .

Step2 copy all files to your hardware from CD in package box. For example: copy to D:;



Step4 Install Virtual serial ports driver run vspdxp.exe



Step 5 Create one pair virtual Com port: COM7 -> COM8.

After completing to install Virtual serial ports driver, you can run this program from Start/program.



Press the button OK .

Enter the Virtual serial ports driver, chose the first port as COM7 and chose second port COM8, then press button "Add pair",

so you create one pair virtual Com port: "COM7 -> COM8"&"COM8->COM7".

| erial Port Driver 6.0 b | y Eltima Software | - × |
|---|--|--|
| | | |
| | | |
| Manage po | rts Port access list | Custom pinout |
| VSPD by Eltima so you are not lin sure that progran | an create virtual serial ports v ited to COMx names only. Ho is working with these ports su | vith any names you like, wever, please, make pport custom port names. |
| First p Seco | Srt: COM2 id port: COM4 | Add pair |
| First p Secon | ort: no port selected ad port: no port selected | Delete pair |
| | | |
| All virt remov make | ual serial pairs will be ed from your system. Please, sure all ports are closed. | Delete all |
| | VSPD by Eltima or so you are not lim sure that program Second Second Brist pu Second Brist pu | VSPD by Eltima can create virtual serial ports was o you are not limited to COMx names only. Ho sure that programs working with these ports sure that programs working with the ports are closed. Image: Start program working with the program working with |

Step6 Install google earth.

Run GoogleEarthWin_EARB.exe



Step 7 Register RTracker on PC

Run G:\ Reg For WIN2K_XP \RTrackerRegister.bat by double click it.

| 2: | C:\VINDOWS\system32\cmd.exe | |
|-------|---|----------------------------------|
| 一下脱板控 | G:\RIrackerInstall>echo hello! this program is to set the RIracker . hello! this program is to set the RIracker . G:\RIrackerInstall>pause press any key to begin settting 请按任意键继续 | iver #in_EARB.ex .exe P |
| Ċ | G:\RIrackerInstall>copy mscomm.srg C:\windows\system32 己复制 1 个文件。 | r. exe ister. bat |
| ag | G:\RTrackerInstall>copy mscomm32.dep C:\windows\system32 己复制 1 个文件。 | |
| | G:\RIrackerInstall>copy | |
| | G:\RTrackerInstall>regsvr32 mscomm32.ocx | |
| | RegSvr32 | |
| | unscomm32.ocx 中的 DllRegisterServer | 成功。 |
| | PYJJ4.IME半: ③系統 ③显示 | |
| | | |

Step8

insert one SIM card to TZ-GTM01, then PowerOn TZ-GTM01. and insert another SIM card to GPS terminal(such as GT01 or AVL01), then PowerOn it connect TZ-GTM01 Modem to your PC by TZ-GTM01 USB cable



Step9 Get TZ-GTM01 modem Com port number

For example : In our PC, TZ-GTM01 Com port is COM3. (note: in your PC, it may be COM4/COM5/COM6......)



Step 10 start Modem_Center.exe

Run Modem_Center.exe

| RTracker SMS DIY Platform V1.9 DIY your t | racking , Track it by yourself | |
|--|--|--|
| DIY your traciding, Track It by yourself | Tracking setting | |
| | Single Position | Continuous Tracking |
| Treeder State State State State | | STOP |
| | Phone SIM No. for Target Tracker : | Time Interval for Tracking (1~60 mins) |
| per Aul | Password for Target 000000 | 1 Mins |
| Fight State Sector Weder | Platform state : Waiting user operat SMS Decoder Modem : Decoder SMS Mode | ion e is waiting plarform CMD |
| | Data Recieving Running | |
| UART state: COM PORT for SMS Modem (INPUT)>> | Waiting Data | 3 |
| COM3 OPEN CLOSE | | |
| Virtual COM PORT for PC Map COM CLOSE! | | |
| COM7 - OPEN COLSE | | |
| !! NOTE: | | |
| In PC Map software ,PIs set COM PORT as | | |
| | | |

Step 11 Input the parameter of your tracking

- A Set SIM phone number of Tracker terminal.
- B Set SMS Modem Com --- COM3
- C Set GIS Map virtual link com ----- COM7

| ur tracking , Track it by yourself |
|---|
| ur tracking , Track it by yourself Tracking setting Single Position Prome SIM No. for Target Tracker: Stop Time Interval for Tracking (1~60 mins) Stop Platform state : Waiting user operation SMS Decoder Modem : Decoder SMS Mode is waiting platform CMD Data Recieving Waiting Data |
| |

Step12 Get single position of the tracker terminal.

After completing the input, press the button "Get single position", Press the Open button of the COM PORT for SMS MODEM and the Virtual COM PORT for PC Map

After **3~10minutes**, you will see some incoming GPS data in the display windows.

| 💑 RTracker SES DIY Platform V1.9 | DIY your tracking , Irack it by yourself | |
|--|--|----------------------------------|
| DIY your tracking. Track it by yourself | Tracking setting | |
| Trans | Single Position Continu | STOP |
| | 3615817470284 2 Password for Target 000000 | Tracking (1~60 mins) Mins |
| STORE SATS Acceleration of the second | Platform state : Modern Sent CMD to target tracker, Waiting to SMS Decoder Modern : Decoder SMS Mode is waiting platform CMD | acker response (Need ! |
| UART Setting UART state: COM PORT for SMS Modem COM OPEN I (NPUT)>>> COM3 OPEN CLOSE Virtual COM PORT for PC Map COM OPENI (OUTPUT)>>>> COM7 OPEN COLSE I! NOTE: In PC Map software ,Pls set COM PORT as >>>> COM 8 <<<<< For recieving the GPS Data | Data Recieving Remning \$GPG3A,02419.000,2232.3779,N,11403.6177,E,1,06,10.3,91.8,M,-1.0,M,0000 \$GPG4L,2232.3779,N,11403.6177,E,084419.000,A*3F \$GPGSV,3,1,12,1,36,333,29,5,11,039,31,6,23,097,28,7,27,110,35*7E \$GPGSV,3,1,12,1,36,333,29,5,11,039,31,6,23,097,28,7,27,110,35*7E \$GPGSV,3,1,12,1,36,333,29,5,11,039,31,6,23,097,28,7,27,110,35*7E \$GPGSV,3,1,12,0,1037,29,14,90,04435,16,36,210,18,12,158,*7E \$GPGSV,3,1,2,0,0,37,29,14,90,04435,16,36,210,18,12,158,*7E \$GPGSV,3,3,1,2,0,0,37,21,72,24,317,53,03,00,40,323,15,0323,37*79 \$GPFNMC,084419,000,4,2222,3779,N,11403.6177,E,0.00,290208,*17 \$GPZDA,084419,000,29,02,2008,*55 \$GPVTG_T,_0,0,0,N,0.00,K,A*6E | *4F |

Step13 Run G:\goopsV1_9_5.exe Goops will start google earth at same time.



| 0 0 0 0 | 🗠 GooPs 📃 🗆 🔀 |
|---------|---------------------|
| 8 | |
| | |
| - | Rotate Zoom Tilt |
| ľ | |
| | Start Demo Save |
| | Clear Track Options |
| 1 | |

Step14 Set goops Com port

Click options button.

- (A) Set GPS com port as COM8, rate :9600.
- (B) Assure that NOT chose Demo Mode
- (C) Chose Auto connect

| GooPs Options | | |
|---|---|---|
| GPS Port: COM8: Rate: 9600 Flow Cti: None Connect Auto Connect | Add/Update Vehicle Id: Me Name: Me Host: localhost New Delete C Land/Sea C Air Visible | Units C English Metric Always On Top AutoStart Google Earth Save KML to Google Earth Clear Track On Startup |
| Record/Play NMEA log Record Play Stop Save | Cursor C Model C Image Classic 3D Label Text: V Name V Host V Spd C Alt | Save File Periodically (to FTP server or local disk) |
| Playback/Demo Speed: | Track Color: Orange 💌 I SpeedTrack Extrude I TimeStamps I Compress | Cursor Size: AutoView Rotate Perspective: Rear |
| Blurry image fix Enable Debog Log | Max # of points 2000 PointMarkers (radius) 0.000 | GooPs Website Version 1.9.5 |

Step15 On Goops,

- (A) press Zoom& Tilt &Rotate button ;
- (B) chose AutoTrack, chose ME, chose AutoView,
- (C) chose GooPsServers on Google earth.



Step16 After about 1 minutes, google earth can display the current position of one GPS Tracker.



Step17 Continuous Tacking

You firstly set timer interval of tracking, Press the Open button of the COM PORT for SMS MODEM and the Virtual COM PORT for PC Map, then you press the button "CONTINUOUS TRACKING"

| 🙅 RTracker SMS DIY Platform V1.9 DIY your tr | racking , Track it by yourself |
|--|---|
| DIY your traciding. Track It by yourself | Tracking setting |
| <u> </u> | Continuous Tracking |
| The start Sector S | Phone SIM No. for Target Tracker : Time Interval for Trackang (1-60 mins) |
| yer dal the second s | 8613986614324 1 Password for Target 000000 |
| Sty CSM Network | Platform state : Waiting user operation SMS Decoder Modem : Decoder SMS Mode is waiting plarform CMD |
| | Data Recieving Running |
| UART Setting COMPORT for SMS Modem (NPUT)>>> COM3 OPEN CLOSE | Waiting Data |
| Virtual COM PORT for PC Map COM OPEN! | |
| COM7 COLSE | |
| In PC Map software ,Pis set COM PORT as>>>>> COM 8 <<<< | |
| For recieving the GPS Data | |

After about 3 minutes, google earth can display the moving trace of one GPS Tracker.



Step18 Using other navigation map software instead of Googel earth.

For example, using one Chinese navigation map



You only need to set the GIS map com port as COM8 (rate:9600), all is OK