Easy Showily

USER'S MANUAL

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Part 1 Product introduction

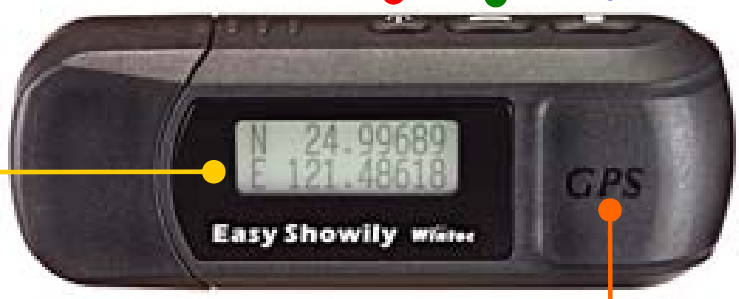
Overview

Power button:

- **Press and hold：**
  1. Power on/off.
- **Temporarily press：**
  1. Normal mode：To cycle through the various information of Easy Showily.
  2. Setting mode：To confirm the option of setting items and then back to normal mode.

Function button:

- **Press and hold：**
  1. Normal mode：To enter the setting mode.
- **Temporarily press：**
  1. Normal mode：To reset the accumulation of Kilometer and Counter.
  2. Setting mode：To set and switch among each setting items.



LCD:

1. Normal mode：Display information.
2. Setting mode：Display setting items.

GPS Antenna Location

Track button:

- **Press and hold：**
  1. Normal mode：To set up a new track.
- **Temporarily press：**
  1. Normal mode：To mark a point in the current track.
  2. Setting mode：To switch options of selected items.

Part 2 Features

Easy Showily is a Auto-show Track Logger with internal antenna. u-blox ATR0625 used in its core is high-tech component and included function of auto-log record of journey. USB interface ensures easy linking with computer to read the log data or programming it any where without install any driver or software. The GPS acquisition status, the last record of time and position could all be stored in non-volatile memory. The Easy Showily not only has 16 GPS channels but also powered by 2*AAA alkaline battery, no need to charge. Furthermore, it is with very low power-consumption, you could use it by full power operation (record 1 point per second) for 15 hours continually. If shake mode is available, then the battery life will be longer.

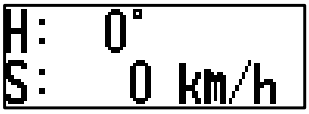
- Easy Showily built-in u-blox GPS IC ATR0625.
- Maximum 16 channels can be acquisitioned quickly.
- Highest tracking sensitivity: -158 dBm
- Internal decode”SBAS” is used excluding the need for external hardware in receiving SBAS signal.
- Data-logging acts like the in-flight black box and can record of position, date and time as long as power source is maintained.
- For down-load of log-data and programming of Easy Showily, the provided software tool “Win_Tool” can simplify the usage.
- USB interface, not need to install any driver or software.
- System requirement: Windows XP® or Vista®.
- Advance Web Browser: Internet Explorer.

Part 3 Safety notes

- GPS (Global Positioning System) is provided by the United States government. Its accuracy may varies depending on special conditions (area at war or if it is blocked). Any control by USA will affect this system and its accuracy.
- If installed on the transportation device, driver must not operate this while driving.
- GPS performance is affected when satellite coverage is degraded as near a high-rise building, in the tunnel or under a cover.
- Personal replacement of components and re-structuring of this is prohibited and may result in loss of legal usage.
- Operation of this device is strictly prohibited in highly explosive environment such mining, in-flight or other unauthorized area against use of this.
- Avoid exposing this at places of high temperature and humidity.
- Return to original dealer immediately if it emits strange smell or fume.
- Set the Easy Showily on the place where can receive GPS signal easily for 10 to 15 minutes if it is the first time to be used. This procedure enables the device to gather some Almanac Data and ensures the quicker position fixed and better GPS performance.

Part 4 User's guide

- Package:
  - Easy Showily (Auto-show Track Logger)
  - AAA alkaline battery *2
  - USB extensive cable (15cm) *1
  - User's manual.
- Easy Showily Operation:
  - Press and hold "Power" button to power on it. The LCD will show up the main screen to confirm it is in the normal mode and GPS start acquisitioning.



  - After power on, press and hold "Power" button to turn the power off.
  - "FIX" show up in the upper right of main screen indicates GPS acquisition is done. If not, the GPS acquisition fails.

  - In the normal mode, temporarily press "Track" button ("PUSH" will show up in the upper right of main screen) to mark a point in the current track.

  - In the normal mode, press and hold the "Track" button ("NEW" will show up in the upper right of main screen) to re-start a new track.

  - If the battery icon shows up in the button right of main screen, the power is too low to work normally. Please

replace batteries for avoiding worse GPS performance, un-working device and incorrect data recorded.

- In the normal mode, temporarily press “Power” button to change the information showed on LCD.

A、Heading and speed information (after positioning)：

Temporarily press “Function” button to change the information from speed to altitude.

B、Kilometer accumulated at present：

C、Counter accumulated at present：

Temporarily press “Function” button to switch the following 3 accumulative value of counter.

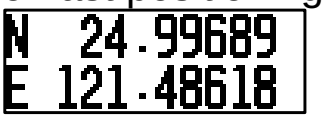
Total value of counter.

Value of motion counter.

Value of non-motion counter.

D、Average speed at present：

E、latitude and longitude at present (after positioning) or last positioning (before positioning) :

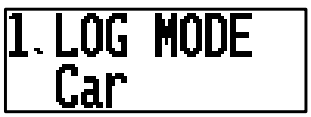


(When the first time use or after cold start)

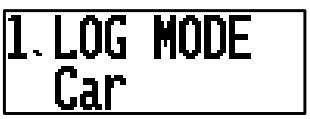
F、Local time at present: (Based on the zone set by user)

(When the first time use or after cold start)

- In the normal mode, press and hold “Function” button will enter the setting mode and then the LCD will show up setting information.



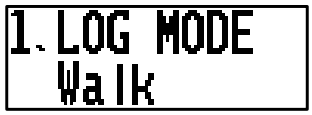
- In the setting mode, temporarily press the “Power” button or no operation more than 15 second, it will back to normal mode.
- In the setting mode, temporarily press the “Function” button to switch the following 3 setting categories. And the information showed on the second line is present and selected status.

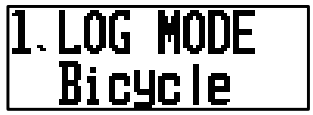


- In the setting mode, temporarily press the “Track” button to switch setting value showed on the second line of the screen. The setting value would be confirmed when you skip to the other setting category or back to normal mode.

1. LOG Mode Setting:

Walk mode, Bicycle mode, Car mode, User define mode.





2.Shake mode (power saving) function :

3. Show the usage capacity of the record:

- If you want to reset the accumulative value of Kilometer and counter, please enter the information B (kilometer accumulated) under normal mode, and temporarily press the “Function” button, then the “RESET?” will be showed up. At this moment, you just press the “Function” button again, the kilometer accumulated and counter accumulated will reset simultaneously, otherwise, you just temporarily press the “Power” button to switch to other information mode, or ignore it for 5 seconds, and then the “RESET” will be canceled.

- When shake mode is enable and stationary more than 5 minutes, its power will be turned off (that interval can be set by yourself), until the device with movement again. The Easy Showily will not auto power on/off while shake mode is disable. And if you turn it off manually while shake mode is enable, then the shake mode will be

disabled simultaneously.

- When the USB is used as interface:
  - Turn the Easy Showily power off.
  - Connect Easy Showily to USB port of computer.
  - The built-in access tool (Win_Tool) will execute automatically, and then read the log data and transfer its format to Google Maps automatically.
  - User can transfer the log data to other format to suit other software or programming Easy Showily via Win_Tool.

- Battery Replacement:
  - Turn off the Easy Showily.
  - Take off the USB cover.
  - Take out the battery cover.
  - Replace new batteries. (AAA 1.5v battery *2; Alkaline batteries are recommended.)
  - Be sure not to drop the battery.
  - Put the battery cover back.
  - Put on the USB cover.

  Cautions: Remove the batteries when you do not use the Easy Showily for a long time. Otherwise, it may result in leakage of the batteries.

Part 5 Operation notes

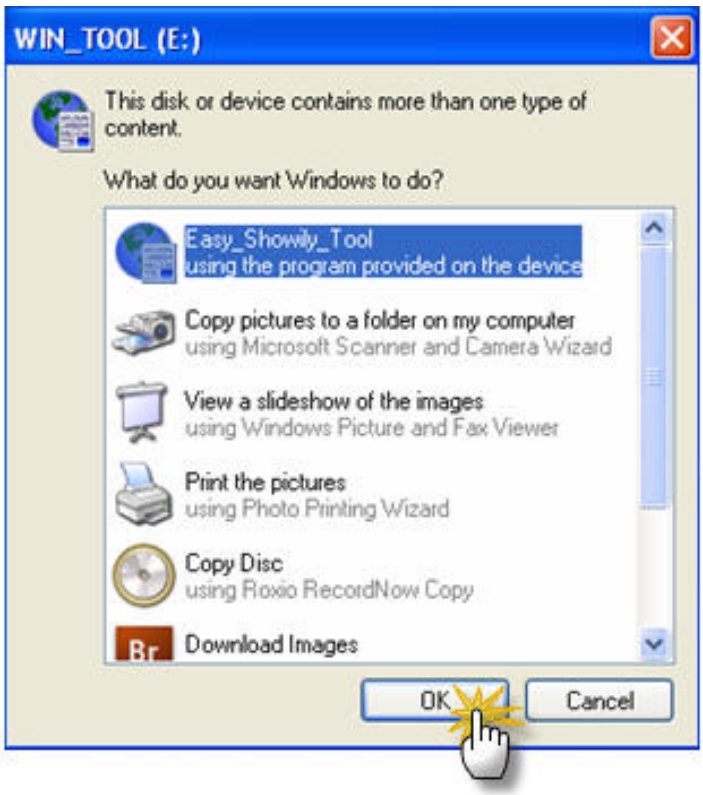
- Easy Showily will do self-check once it is powered. GPS start to work when LCD shows up the main screen. GPS automatically starts acquisition and auto-logs. If sky is clear overhead, it requires only 34 sec for acquisition. (If the data in its memory is still valid, it needs only 4~33 sec). After acquisition, Easy Showily starts record the track.
- For the first time if it is placed at the area well exposed to the satellite signal, this device requires approx 13 min (theoretically 12.5 min) to receive or update Almanac. Refer to trouble shooting guide when signal is not received well.
- If Easy Showily formatting the internal data is not correct, or if satellite data has been deleted, it takes longer time to position. But under the following conditions, it can take even longer time to get cold start.
  - If it is not in use for over 3 months (the almanac is old-dated).
  - If the last recorded position data is over 500 km.
- After positioning, Easy Showily begins to auto-log the following way.
  - Maximum data up to 94000 Points.
  - Recording in a circular way.
  - Auto-logging goes on without the need of any device.
  - Log-data can be read out by way of the ”Win_Tool” included.
  - Data includes latitude, longitude, and altitude, time in year-month-date-hour-min-sec (UTC) and special point mark status.
  - After successful positioning, it wills auto-log GPS data into its internal memory chip. It recorded in a rotational order.

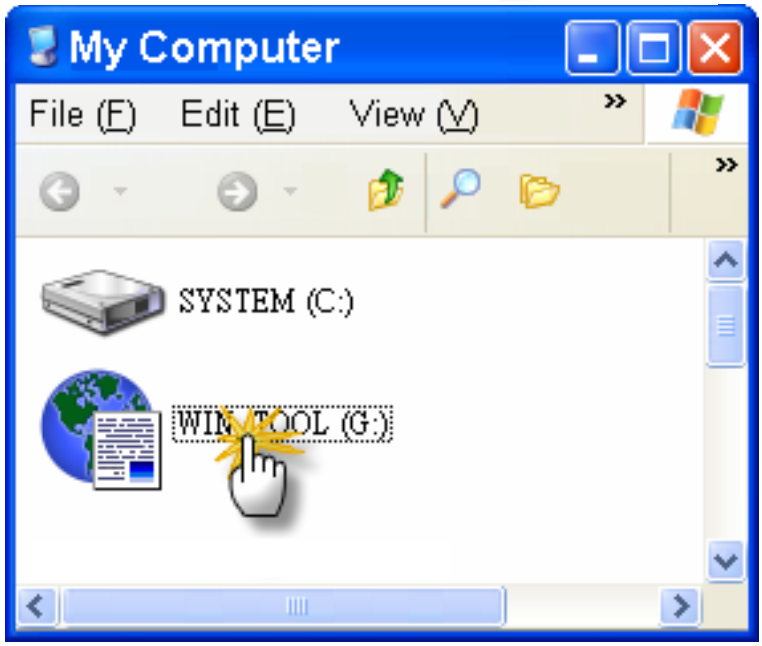
The earliest (oldest) data will replaced by the latest (newest) one when memory space is full (when data excesses 94000 maximum).

- The operating time may differ depending on the situation, environment condition or the type of battery.
- In the operation, please keeps the GPS antenna facing the open sky for good performance.
- For the high sensitivity of shake sensor, please keep the device in the level state when you enable the shake mode.
- Pleas be aware that you have to replace both two batteries simultaneously; otherwise the life of battery will be slashed.
- The Shake mode will be disabled automatically when the low battery icon shows up; this procedure can ensure the normal working of device. Please re-enable the shake mode after replacing batteries if the function is still needed.

Part 6 Access Tool

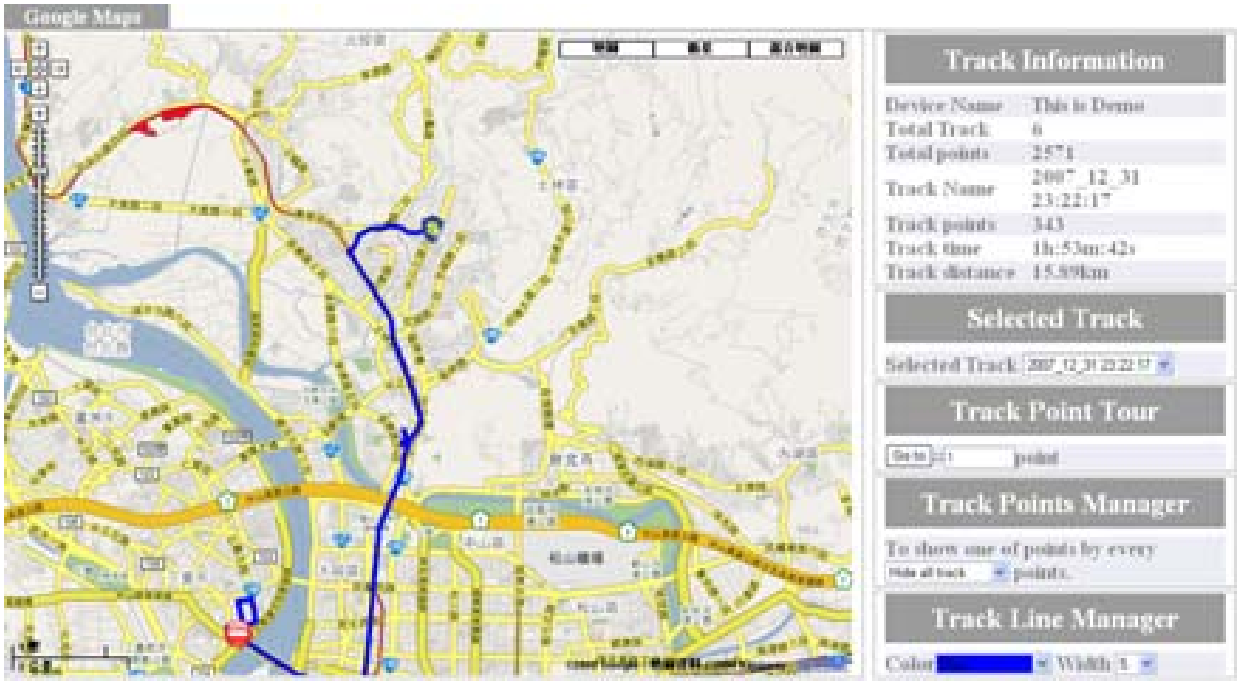
1. Plug in the Easy Showily to computer via USB connector, and the access tool will execute automatically. Otherwise, please find the device named “Win_Tool” in the “My Computer”, and click its icon to execute it.



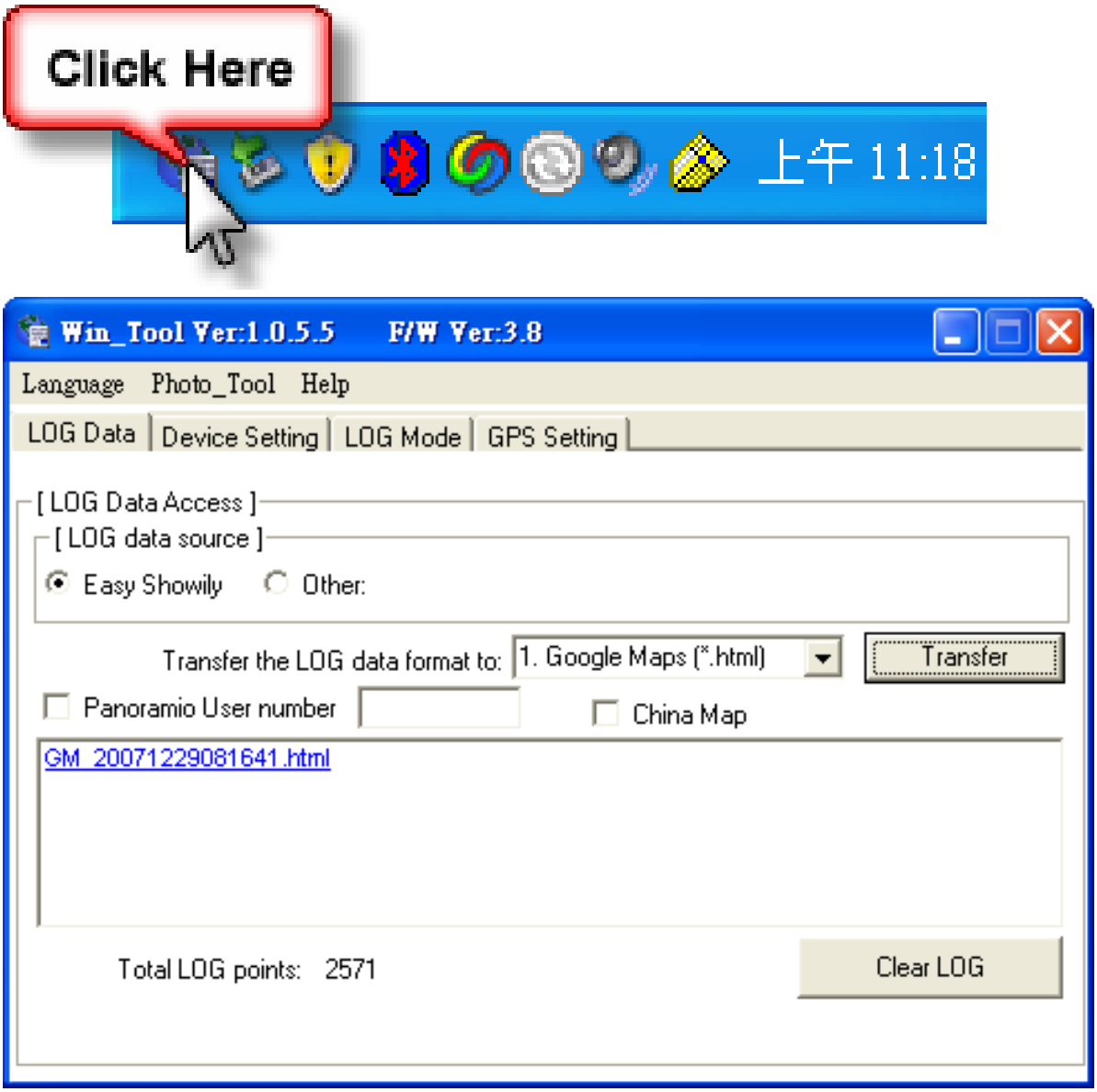


2. Key in the password and click “Log in”. If you don’t enable the password protect, this step will be omitted.

3. Win_Tool will read log data from device, and present it on Google Maps via browser automatically.



At the same time, Win_Tool will be miniaturized and hidden in the system tray. Click the icon, and Win_Tool will show up.


Click Here
上午 11:18
Win_Tool Ver:1.0.5.5 F/W Ver:3.8
Language Photo_Tool Help
LOG Data
Device Setting
LOG Mode
GPS Setting
[LOG Data Access]
[LOG data source]
Easy Showily
Other:
Transfer the LOG data format to:
1. Google Maps (*.html)
Transfer
Panoramio User number
China Map
GM_20071229081641.html
Total LOG points: 2571
Clear LOG

4. Win_Tool Instruction:

4.0 Auto-backup the track file (*.tes):

The track file stored in the Easy Showily will be auto-backup to the default path when the Win_Tool is executed. The format of back up file is (*.tes).

4.0.1 The path of the backup file (*.tes):

Partition of system:\Documents and Settings \Username\My Documents\ EASY_SHOWILY_LOG_DATA\[Device ID of Easy Showily] (if the Device ID is not set, and the default is Easy_Showily)\

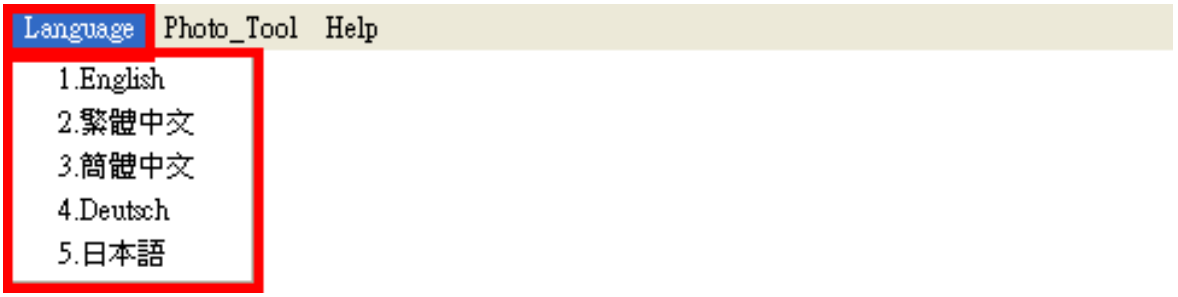
4.0.2 The file name of the backup file (*.tes):

Back_Up_[The UTC time at the first point of the track].tes

4.1 Menu:

4.1.1 Language:

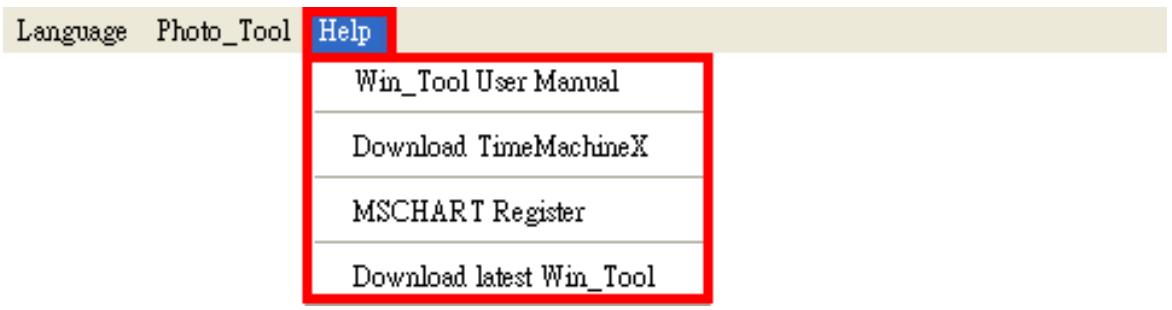
The language selection of Win_Tool includes English, Traditional Chinese, Simplified Chinese, German and Japanese are supported.



4.1.2 Photo_Tool:

Select the ”Geotagging/Report” item to enter the detail page, please refer to part 4.6.

4.1.3 Help:



4.1.3.1: Win_Tool User Manual:

Enter the webpage for Win_Tool instruction.

4.1.3.2: Download TimeMachineX:

Enter TimeMachineX webpage for downloading.

4.1.3.3: MSCHART Register:

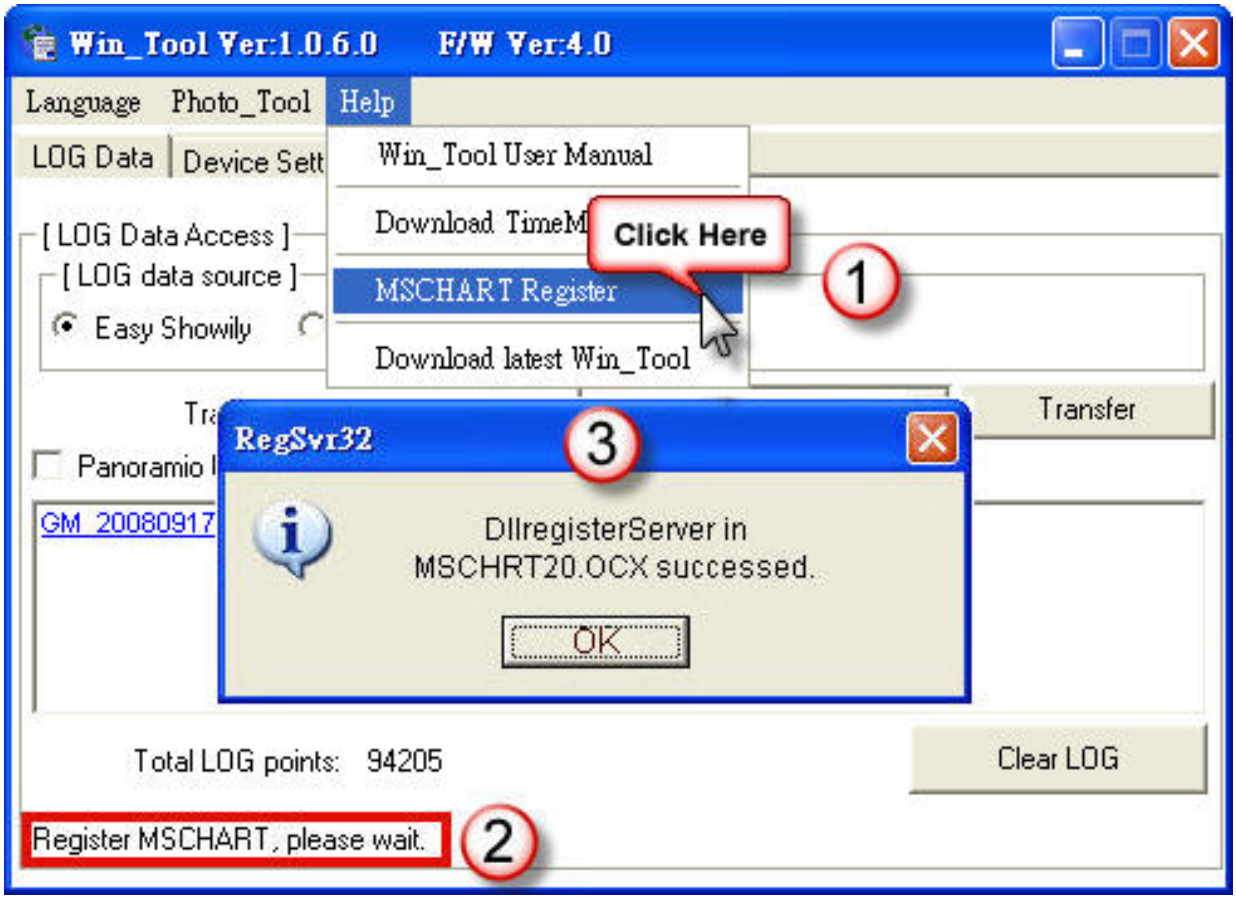
Please select this item to complete the MSCHART Register when the report function is not working.

Note:

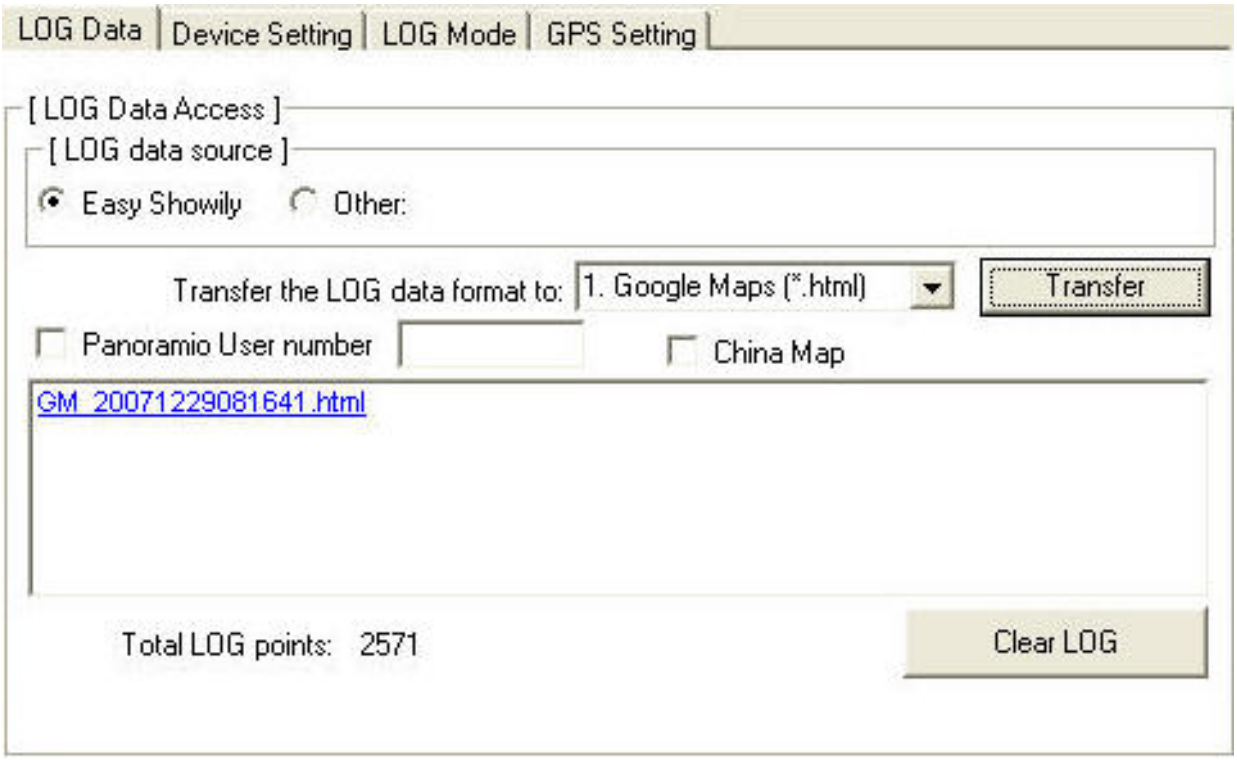
1. The computer which is login should be Administrator or the one has the same authorities.
2. For Windows Vista, please turn off UAC (User Account Control) and reboot your computer before register.

4.1.3.4：Download latest Win_Tool:

Press this item to download the latest version of Win_Tool.


Win_Tool Ver:1.0.6.0 F/W Ver:4.0
Language
Photo_Tool
Help
LOG Data
Device Sett
Win_Tool User Manual
Download TimeM
MSCHART Register
Download latest Win_Tool
Click Here
1
[LOG Data Access]
[LOG data source]
Easy Showily
Transfer
Panoramio
GM_20080917
RegSvr32
3
DllregisterServer in
MSCHRT20.OCX successed.
OK
Total LOG points: 94205
Clear LOG
Register MSCHART, please wait.
2

4.2 LOG Data Tab:



4.2.1 Clear LOG:

Press the “Clear LOG” button to delete all LOG data in the device.

Note:

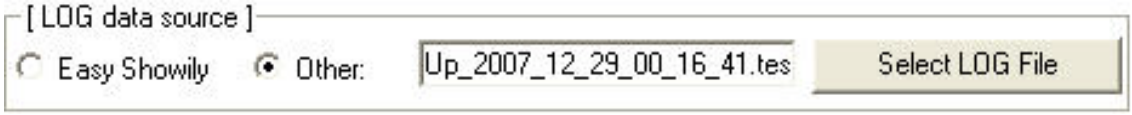
After pressing the “Clear LOG” button, the following message will show on the LCD when you power on the device. And it will take around 30 sec. to complete the clear log process.

4.2.2 LOG File Convert:

Ⅰ. Select the LOG Data source:

Ⅰ.1 From Easy Showily: (default)

Ⅰ.2 From other backup files:

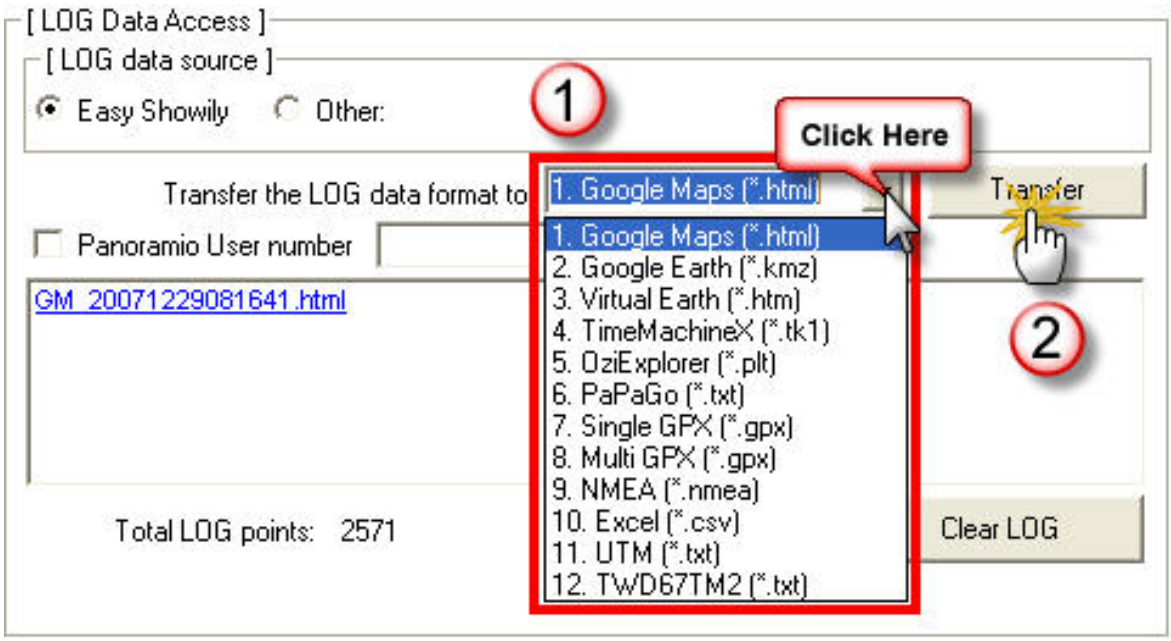


Press the “Select LOG File” button to choose the track file.

Note:

1. The value of the “Total LOG points” shows the recorded points of the selected track.

Ⅱ. Choose the LOG Data format:



Please select a format that you want to transfer to, and press the “Transfer” button to start the operation. Also you can

copy or delete the transferred file by right click function.

Following transfer formats are supported:

Ⅱ.1 **Google Maps**：Double click the file and it will be opened via browser, IE browser is suggested. All recorded tracks will be transferred into only ONE file i.e. a html file includes several tracks and the time of every point will be shown according to time zone of device.

Note:

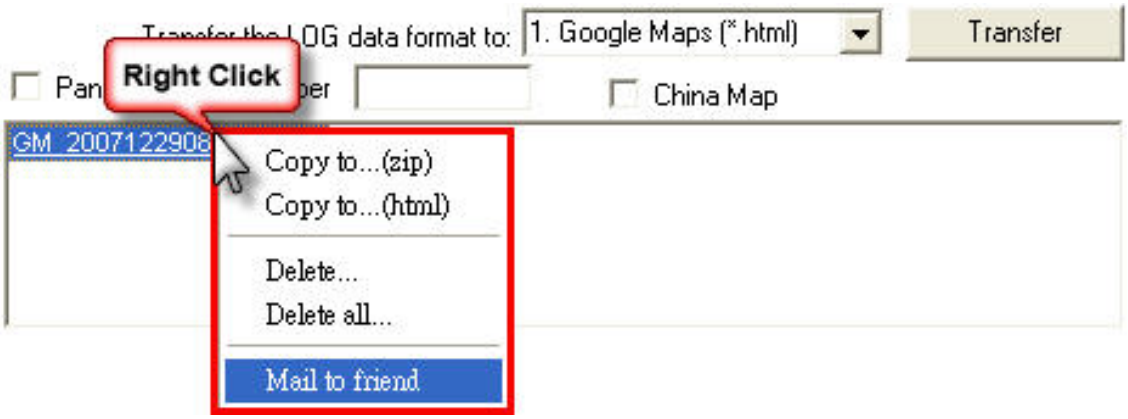
1. You can tick the “Panoramio” item to show the Panoramio photo map. The details please refer to the Part 4.7
2. Please tick the item of “China Map” if the recorded track is located in Mainland China.
3. The Google Maps will auto-divide a single track into two if it includes more than 10,000 way points.
   This procedure can ensure that the browser will show the

complete track normally.

4. Share your track data with your friend.

4.1 Copy the file and e-mail it to your friend via your mail client such as outlook.

4.2 You also can e-mail your track data by right click function, and select the item of “Mail to friend”.

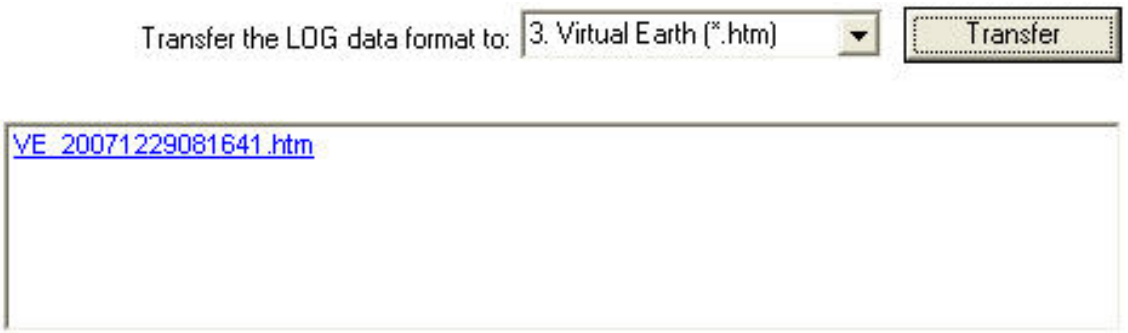


Ⅱ.2 **Google Earth:** Please be aware that the software of Google Earth must be installed first (you can download it from http://earth.google.com). Every track will be transferred to different files, i.e. one file for one track, and the time of every point will be shown according to time zone of device.

Note:

1. Tick the item of “3D Track”, and you can see the track including altitude on Google Earth.

Ⅱ.3 **Virtual Earth:** Double click the file and it will be opened via browser, IE browser is suggested. All recorded tracks will be transferred into only ONE file i.e. a htm file includes several tracks and the time information of every point will be shown according to time zone of device.



Note:

1. The Virtual Earth will auto-divide a single track into two if it includes more than 10,000 way points.
   This procedure can ensure that the browser will show the complete track normally.

Ⅱ.4 **TimeMachineX**: Please be aware that the software of TimeMachineX must be installed first (free download), and all recorded tracks will be transferred into only ONE file, i.e. a tk1 file includes several tracks. All detailed instruction of TimeMachineX please refers to Part 7

Ⅱ.5 **OziExplorer**: The software of OziExplorer must be installed first (buy by yourself). Every track will be transferred to different files i.e. one file for one track and the time information of every point will be UTC.

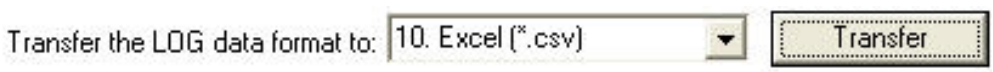
Ⅱ.6 **PaPaGO**: The software of PaPaGO must be installed first (buy by yourself). You also can double click the file to open it by notepad. All recorded tracks will be transferred to only ONE file and the time information of every way point will be shown according to the time zone of device.

Ⅱ.7 **Signal GPX**: All recorded tracks will be transferred to only ONE file, and the file can be uploaded to some websites supporting GPX format to share your track or applied to other software. The time information of every point will be UTC.

Ⅱ.8 **Multi GPX**: Every recorded track will be transferred to different files i.e. one file for one track. And these files can be uploaded to some websites supporting GPX format to share your track or applied to other software. The time information of every point will be UTC.

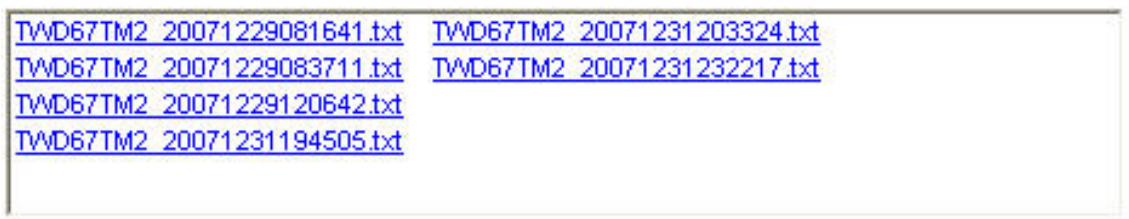
Ⅱ.9 **NMEA**: Every recorded track will be transferred to different files i.e. one file for one track. Transfer to NMEA format according to recorded track data (including GPRMC and GPGGA only).

Ⅱ.10 **Excel**: Every recorded track will be transferred to different files i.e. one file for one track. And the time information of every point will be shown according to time zone of device.



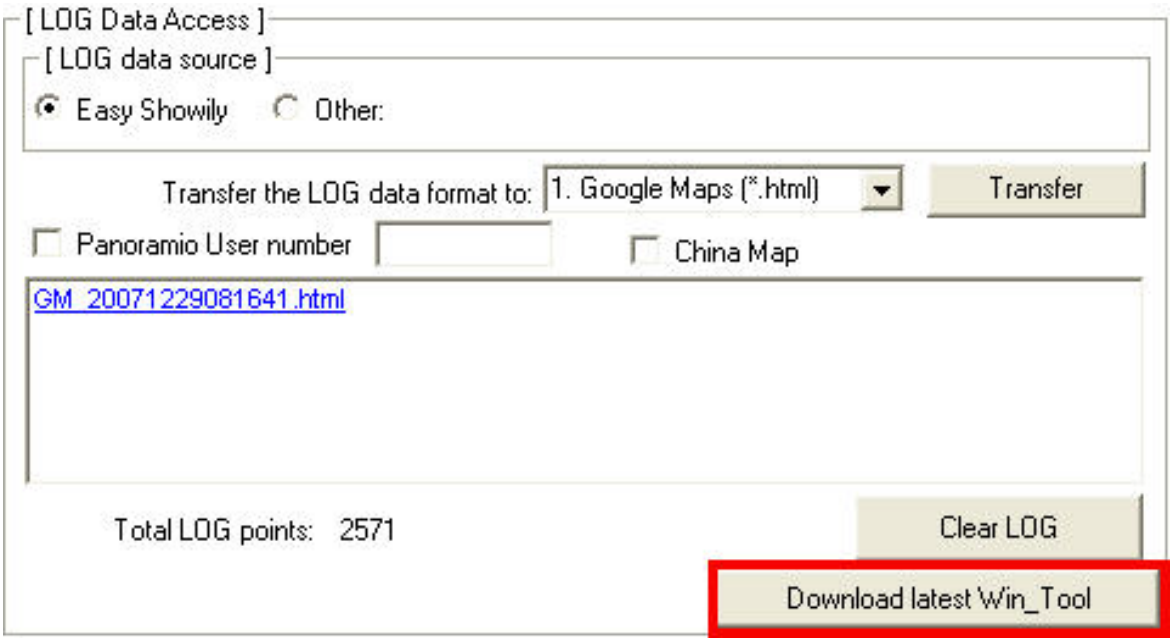
Ⅱ.11 **Universal Transverse Mercator(UTM)**: Double click the file to open it by notepad. Every track will be transferred to different files i.e. one file for one track. And the time information of every point will be shown according to the time zone of device.

Ⅱ.12 **TWD67TM2**: Double click the file to open it by notepad. Every track will be transferred to different files i.e. one file for one track.



4.2.3 Win_Tool Update:

The button of “Download latest Win_Tool” will be shown up automatically when the Win_Tool version in your device is not the newest one.



Note :

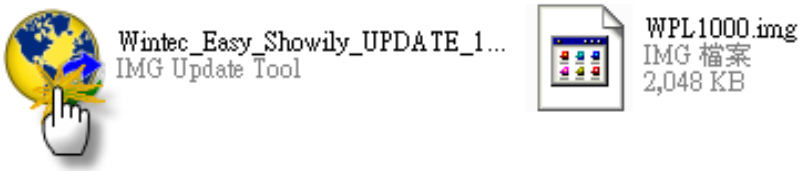
1. All log data would be deleted and all parameters would be return to the original setting after Win_Tool updating. (The password would be canceled too if you have set.)
2. About the detail of update, please refer to the downloaded file.

Ⅰ. Update Instruction:

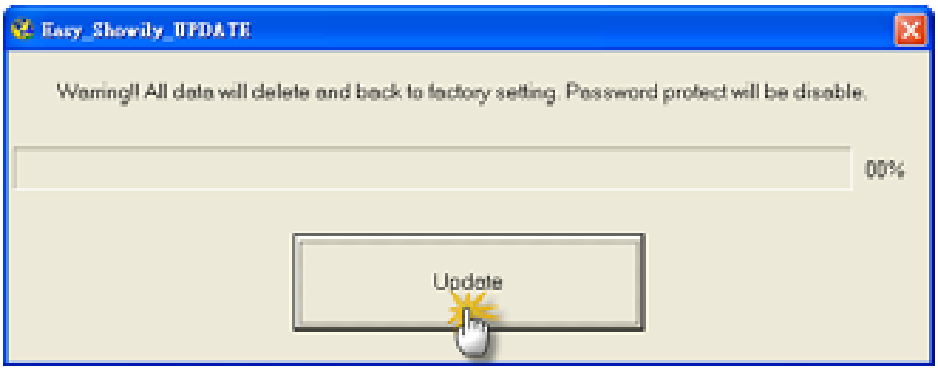
Ⅰ.1 Extract the downloaded file.

Ⅰ.2 Plug in the Easy Showily to computer, but not execute the Win_Tool.

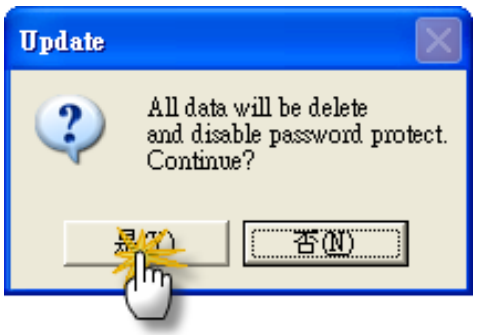
Ⅰ.3 Double click the “Easy_Showily_UPDATE.exe” in the downloaded file.



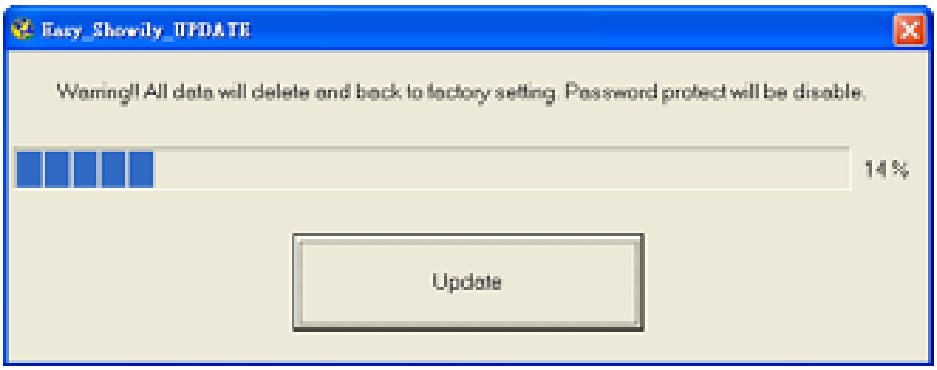
Ⅰ.4 The following dialogue will pop out. Please press the “Update” button.



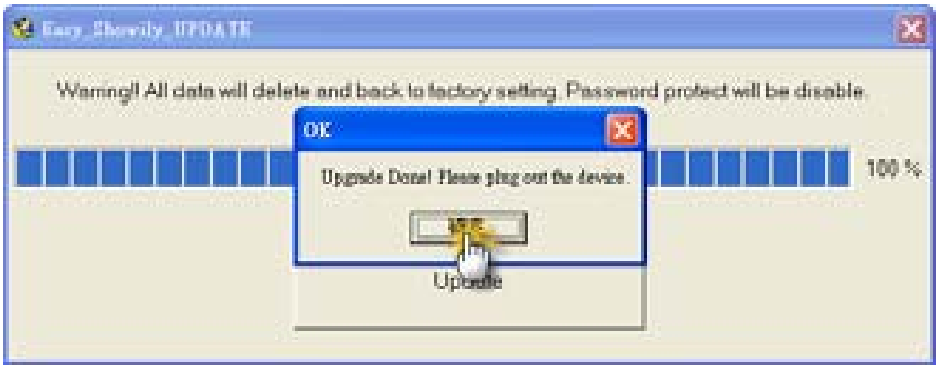
Ⅰ.5 Warning message: All log data will be deleted, parameters will be return to the original setting and the password protect will be disabled after updating. If you accept, please press “OK” to continue the process, otherwise please press “Cancel” to stop the update.



Ⅰ.6 The update is in progress.



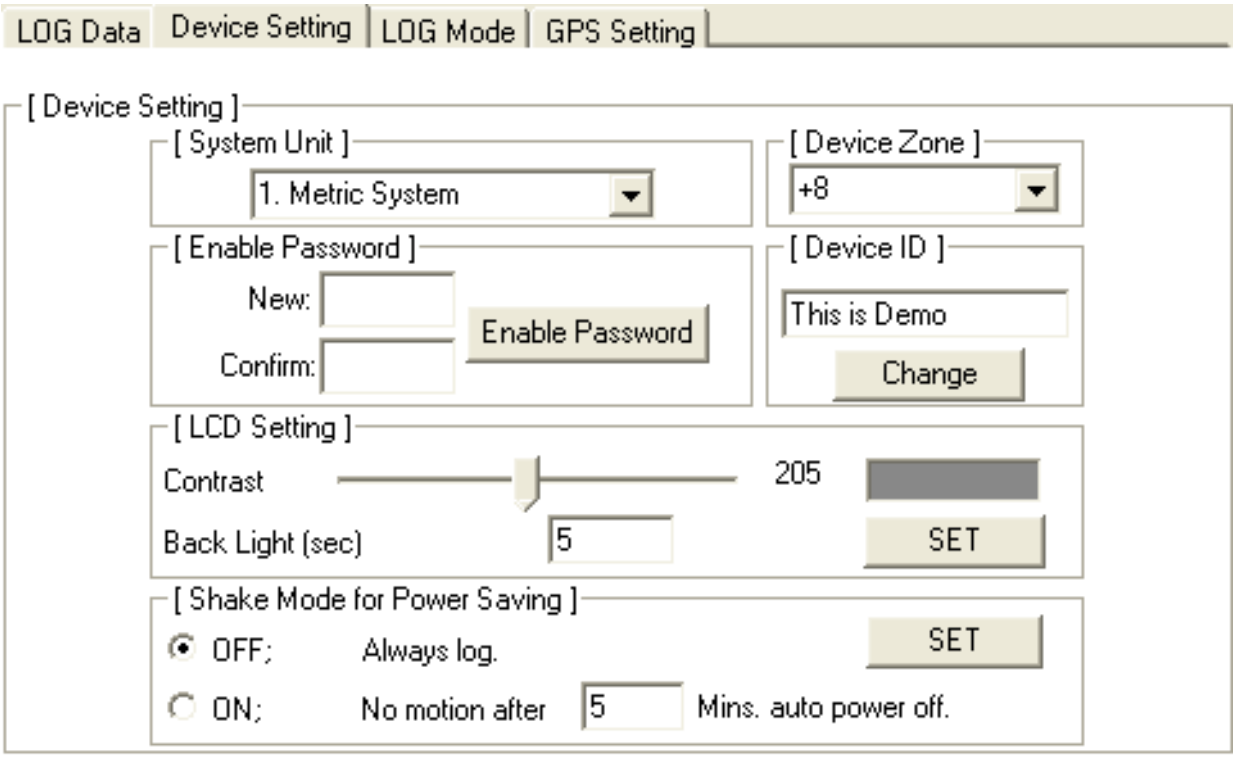
Ⅰ.7 Press “OK” to complete the update procedure.



Ⅰ.8 Plug out the Easy Showily.

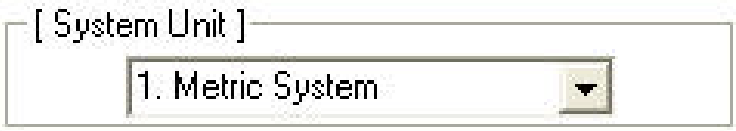
Ⅰ.9 Please power on the Easy Showily, the message of “Clear LOG data now..” should be shown on the LCD, and eliminated about 30 seconds later. If the “Clear LOG data now..” didn’t show up, please do the “Clear LOG” process by Win_Tool manually, otherwise it would work abnormally.

4.3 Device Setting Tab:



4.3.1 System Unit:

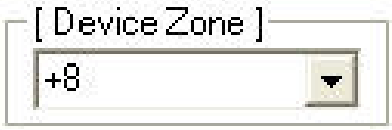
Set the system unit at the device; one for Metric unit, the other for Imperial unit.



4.3.2 Device Zone:

The time zone of device can be adjusted according to your requirement.

Please be aware that the time zone of device will affect the showing time on the Easy showily and some track files, such as Google Maps, Google Earth, Virtual Earth, PaPaGo, Excel and UTM formats. Besides, the time zone of device will also be the reference time for Geotagging.

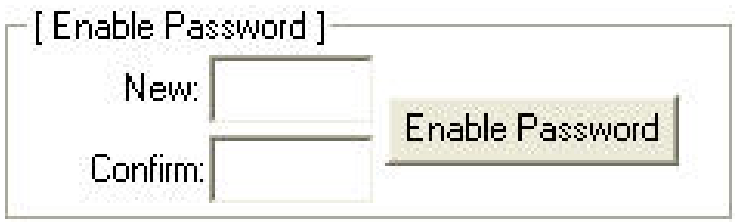


4.3.3 Enable password protection or change password:

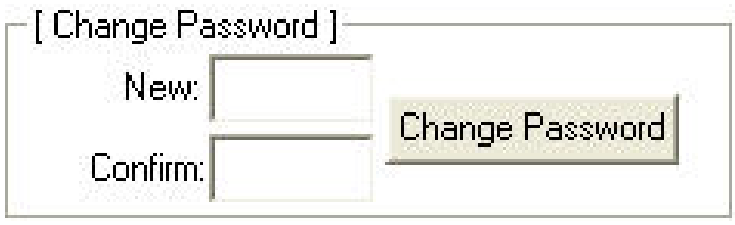
User could enable password protection here, and the maximum of password is 10 characters or digits.

If you want to disable password protection, just keep blank in both “New” and “Confirm”, and then click “Change Password”.

No Password Protect:

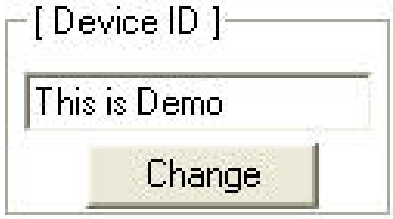


Password Protect:



4.3.4 Change device ID:

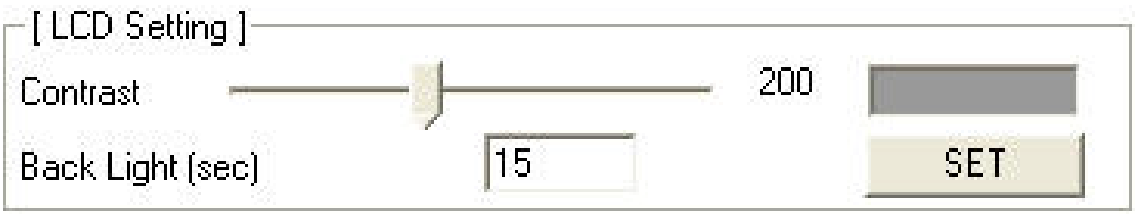
Please key in the Device ID you prefer, and then press the “Change” button.



4.3.5 LCD Contrast and backlight:

Ⅰ. LCD Contrast Setting: The LCD Contrast depends on the temperature. The higher temperature is, the darker for contrast, in another word, the lower temperature is, the lighter for contrast. The reference Value: 200 at 25℃ (77℉)

Ⅱ. LCD Backlight Setting: Turn off backlight if the device is not used for the time you set. The default is 15 sec.

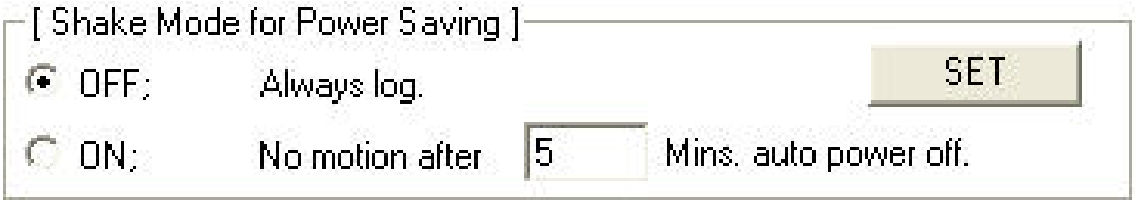


4.3.6 Shake mode (power saving) setting:

To enable the Shake mode, the device will be power off when there is no movement after 5 minutes (default); and it will be power on automatically when it moves again.

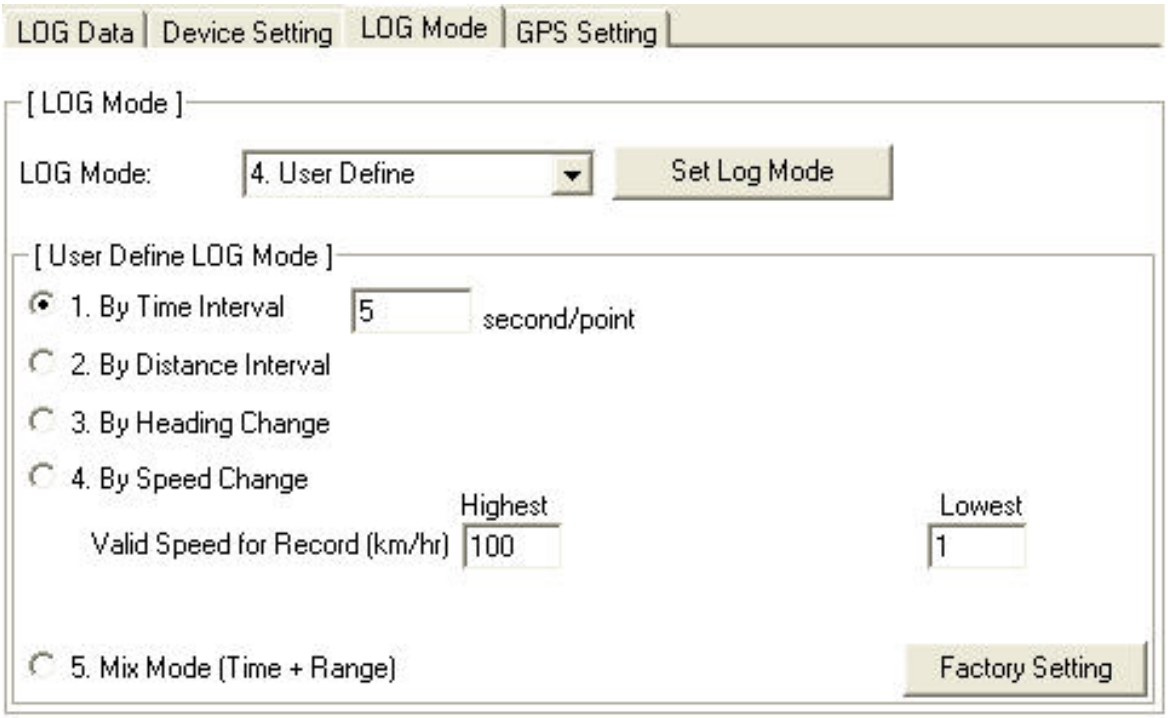
To disable Shake mode, device will be never power off automatically.

If you turn it off manually while shake mode enables, then the shake mode will be disabled simultaneously.



4.4 LOG Mode Tab:

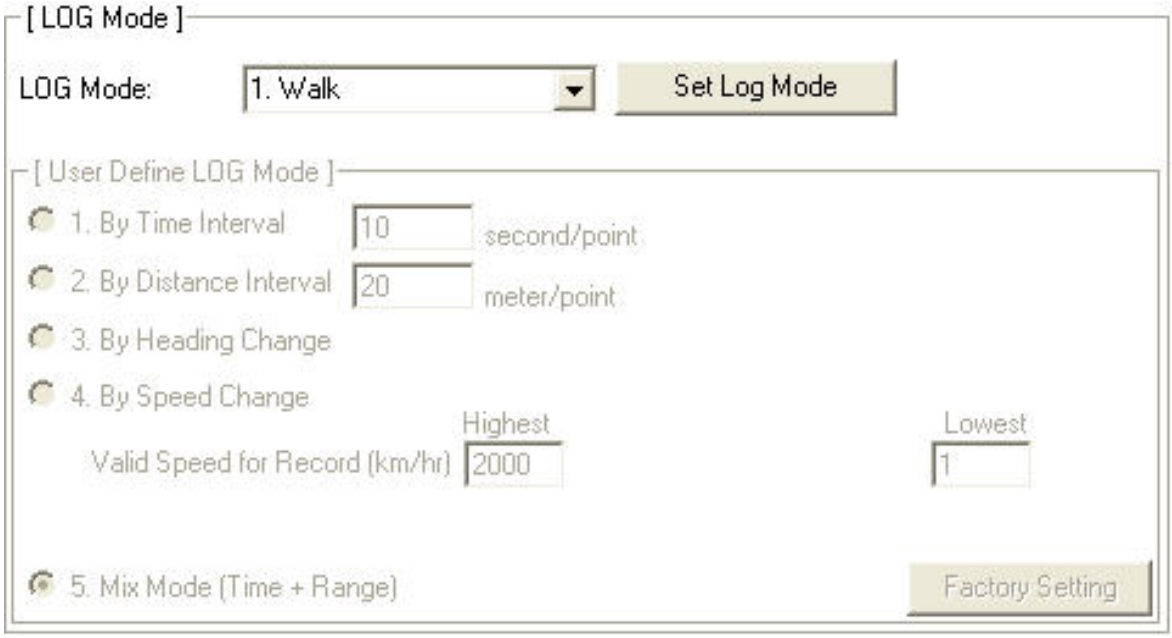
The LOG mode of Easy Showily can be set here.



There are four modes as following:

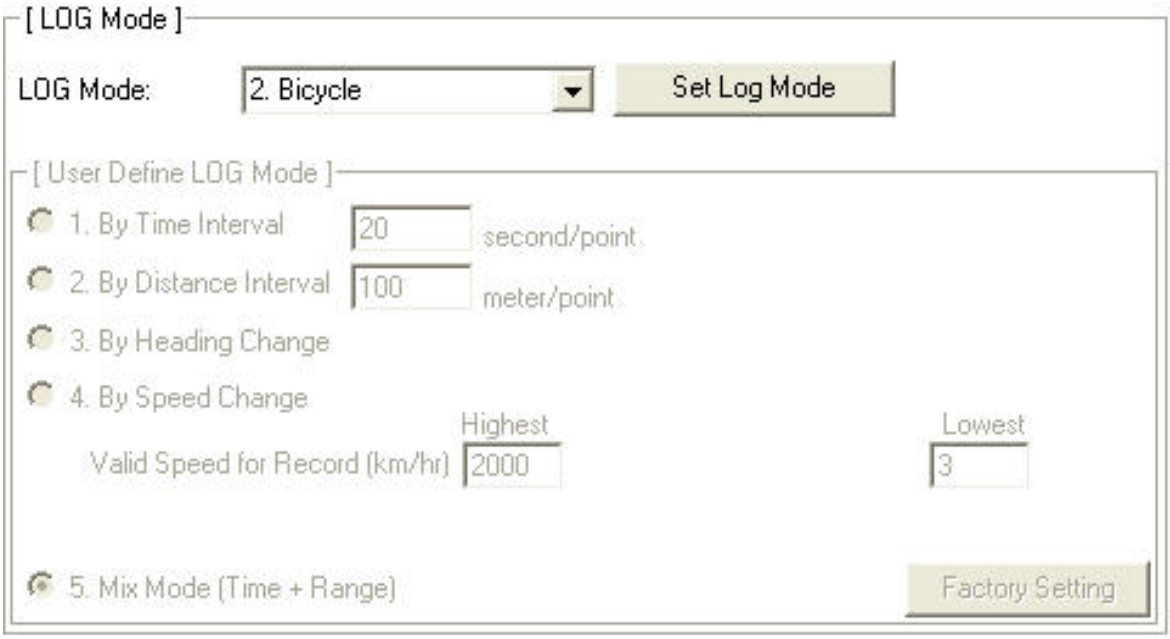
Ⅰ. Walk mode:

A track point is logged per each 10 sec. or 20 m while its speed is above 1 km/hr.



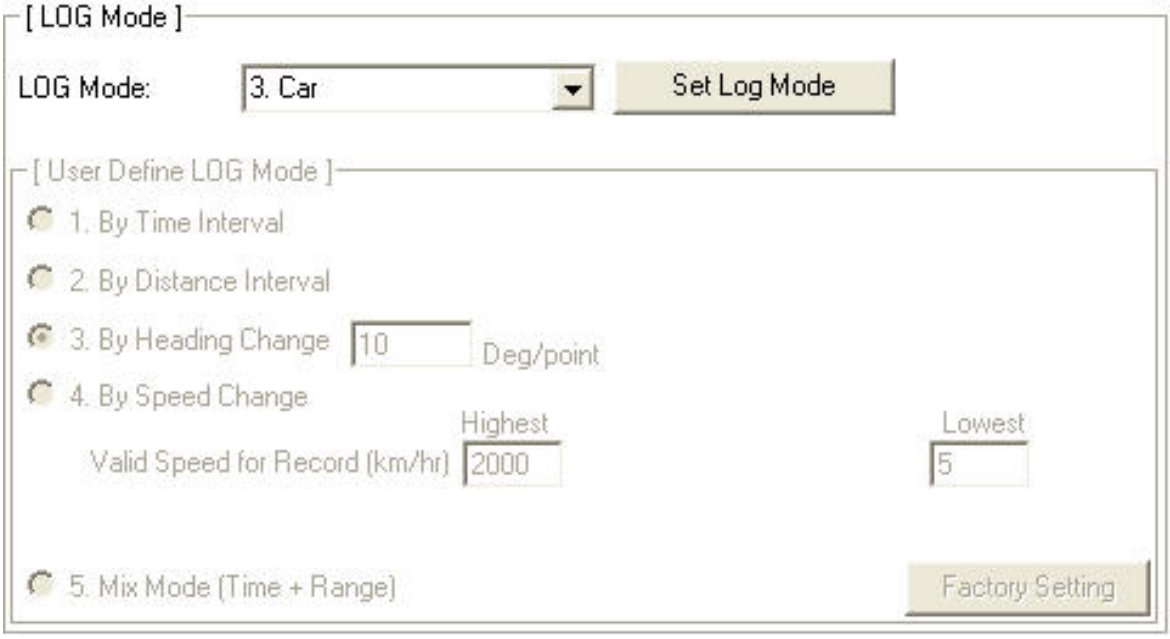
Ⅱ. Bicycle mode:

A track point is logged per each 20 sec. or 100 m while its speed is above 3 km/hr.



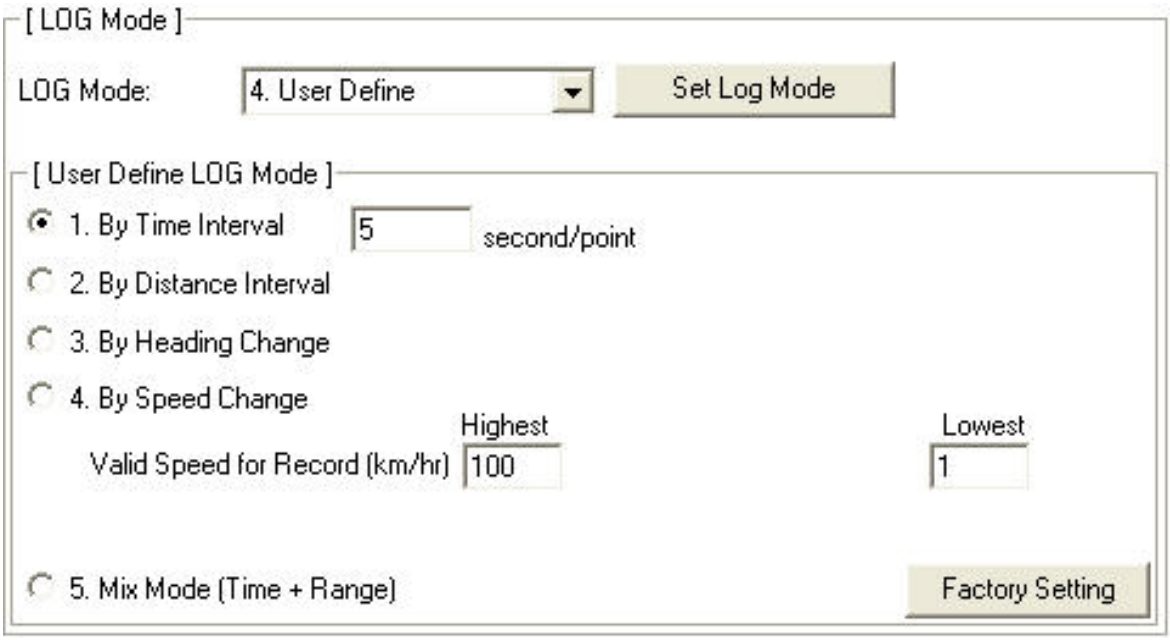
Ⅲ. Car mode:

A track point is logged if each heading change is bigger 10 degrees while its speed is above 5 km/hr.



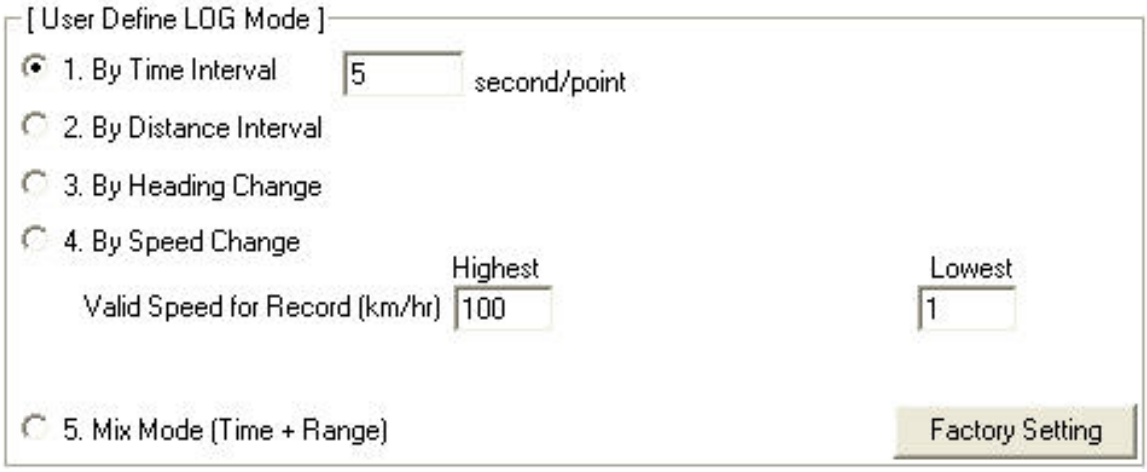
Ⅳ. User define mode:

There are 5 kinds of setting for selection, including Time Interval, Distance Interval, Heading Change, Speed Change and Mix both time and distance.



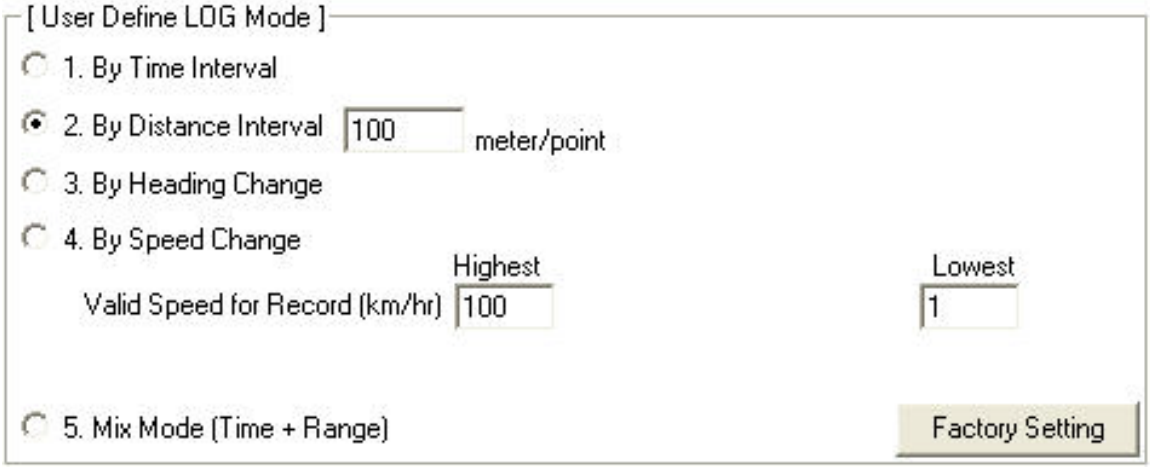
Ⅳ.1 By Time Interval:

Auto-track logging is done by time-programming while moving at an effective speed.



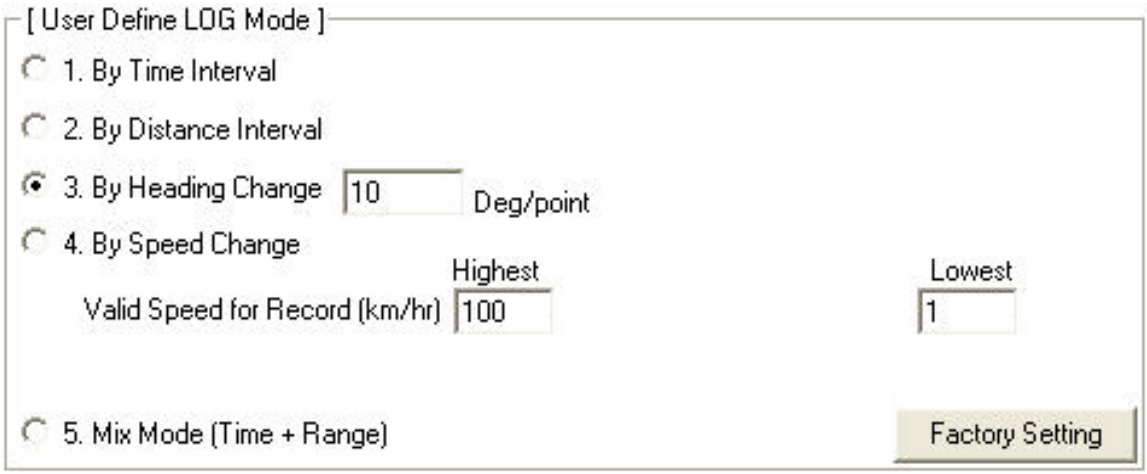
Ⅳ.2 By Distance Interval:

Auto-track logging is done by distance-programming while moving at an effective speed.



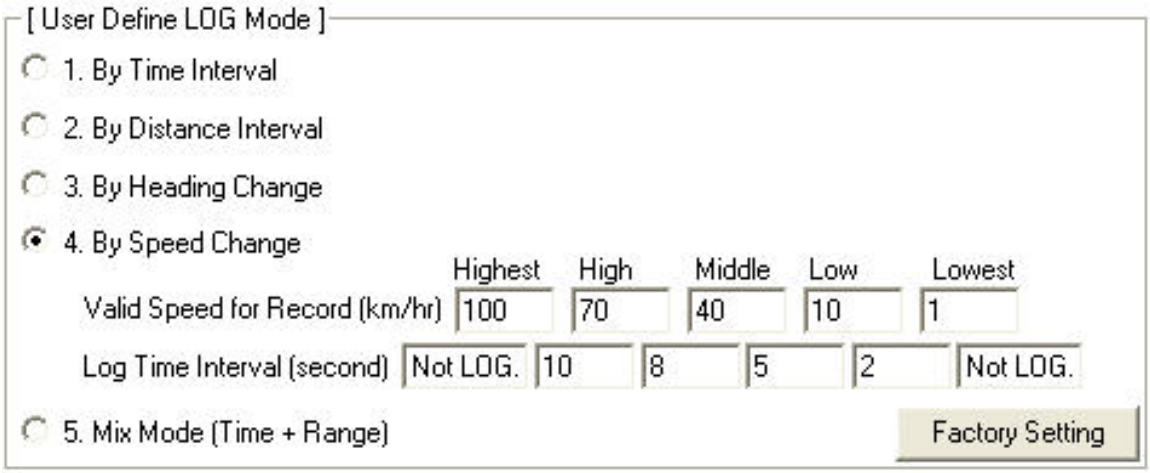
Ⅳ.3 By Heading Change:

Auto-track logging is done by programming of course change while moving at an effective speed



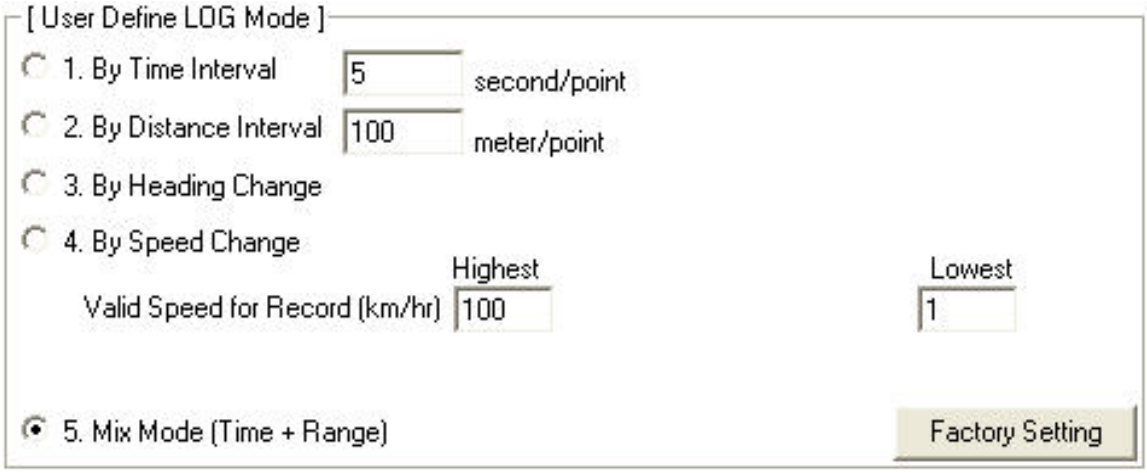
Ⅳ.4 By Speed Change:

4 modes of multi-speed auto-logging: While moving at 4 different speeds, track logging can be done independently by separately programming by time and distance at each speed range.



Ⅳ.5 Mix (Time & Range) mode:

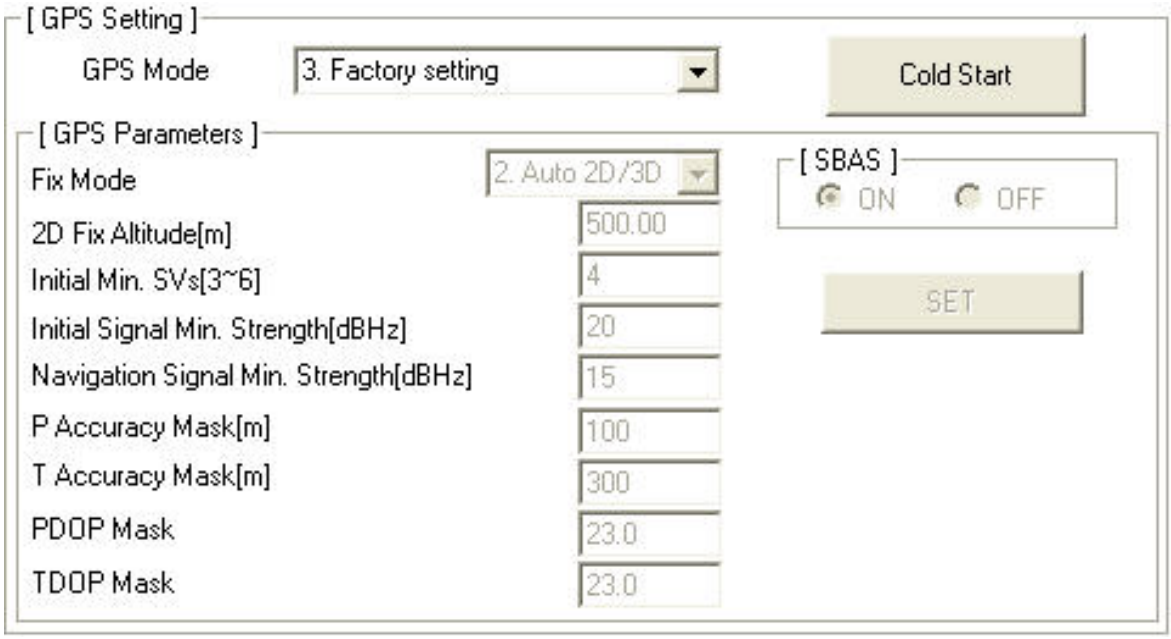
Auto-track logging is done by either time or distance programming whenever any of these conditions is met.



Note:

1. The way point will NOT be recorded if the velocity exceeds the range of “Valid Speed for Record”.
2. All Log parameters will be return to the original setting when pressing the “Factory Setting” button.
3. All log modes would start to record when getting position fixed (the character of “FIX” should be shown on LCD display).

4.5 GPS Setting Tab:



Ⅰ. GPS Cold Start：There are two ways for cold start.

Firstly, Click “Cold Start” button in Win_Tool.

Secondly, you can just press and hold the function and track buttons simultaneously, and then power on it (cold stat manually).

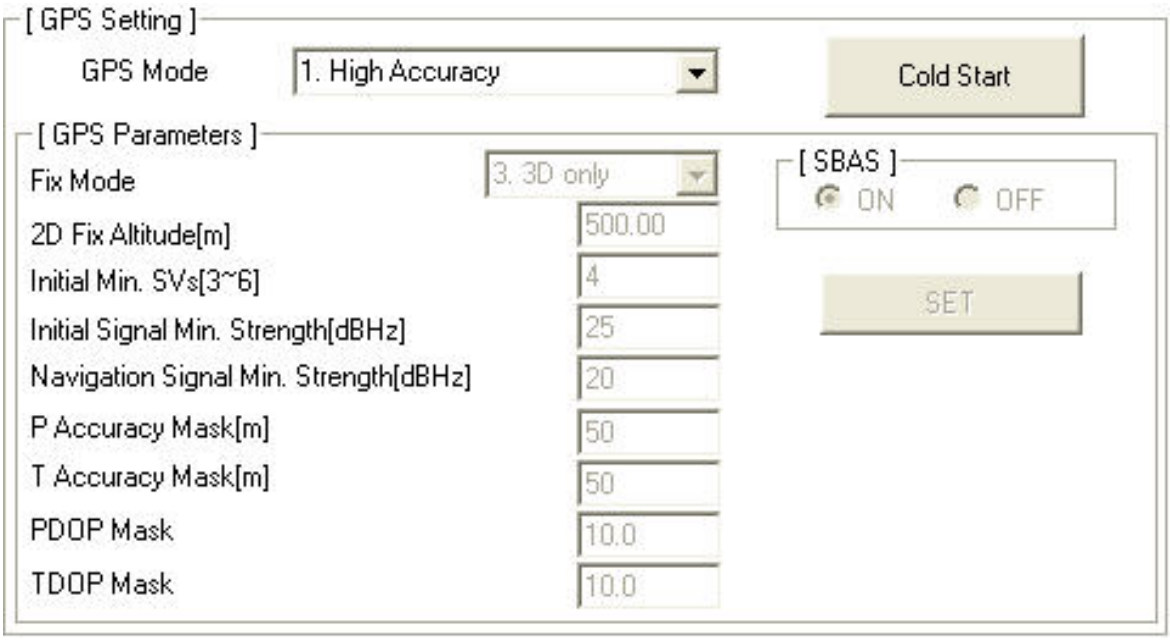
Both two ways can re-start GPS by cold start mode. Please be aware the cold start manually function will not work when the battery is low.

Ⅱ.GPS Mode setting:

There are 6 modes as following.

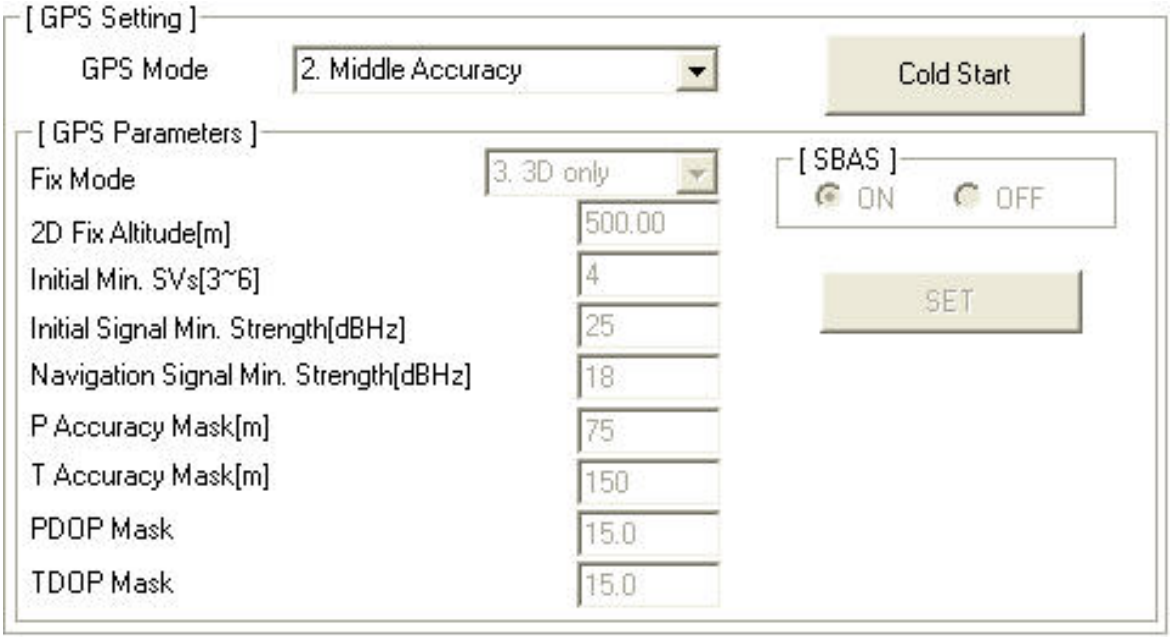
Ⅱ.1 High Accuracy:

Under High Accuracy mode, you can get acquisition with most accurate, but need most time to get it successfully.



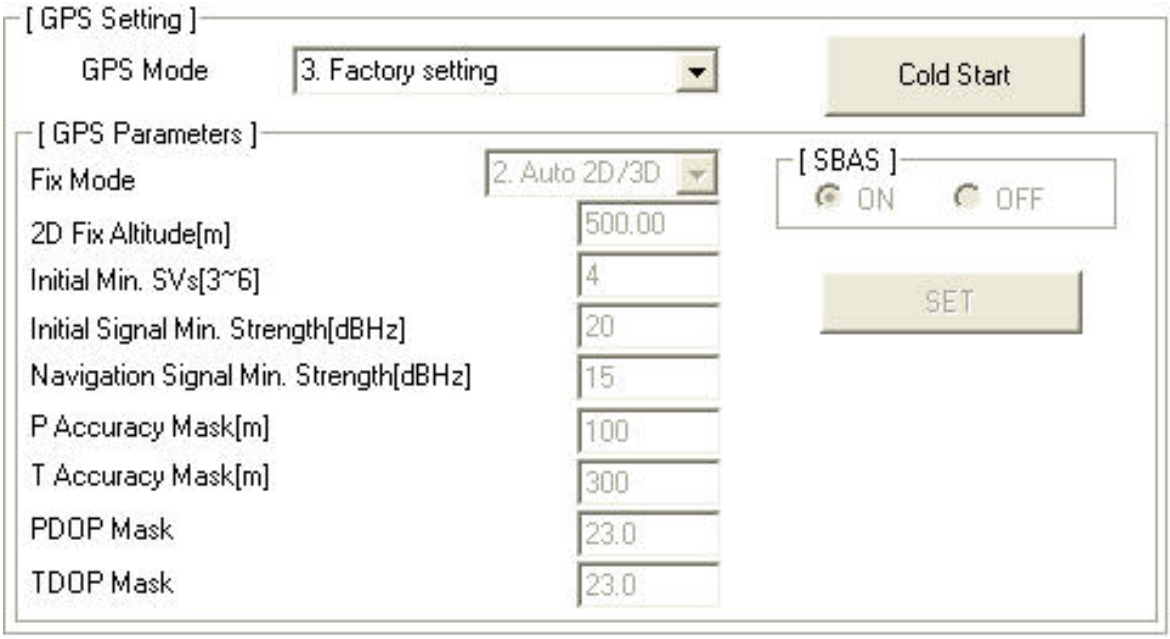
Ⅱ.2 Middle Accuracy:

Under Middle Accuracy mode, you can get acquisition with more accurate, but need more time to get it successfully.



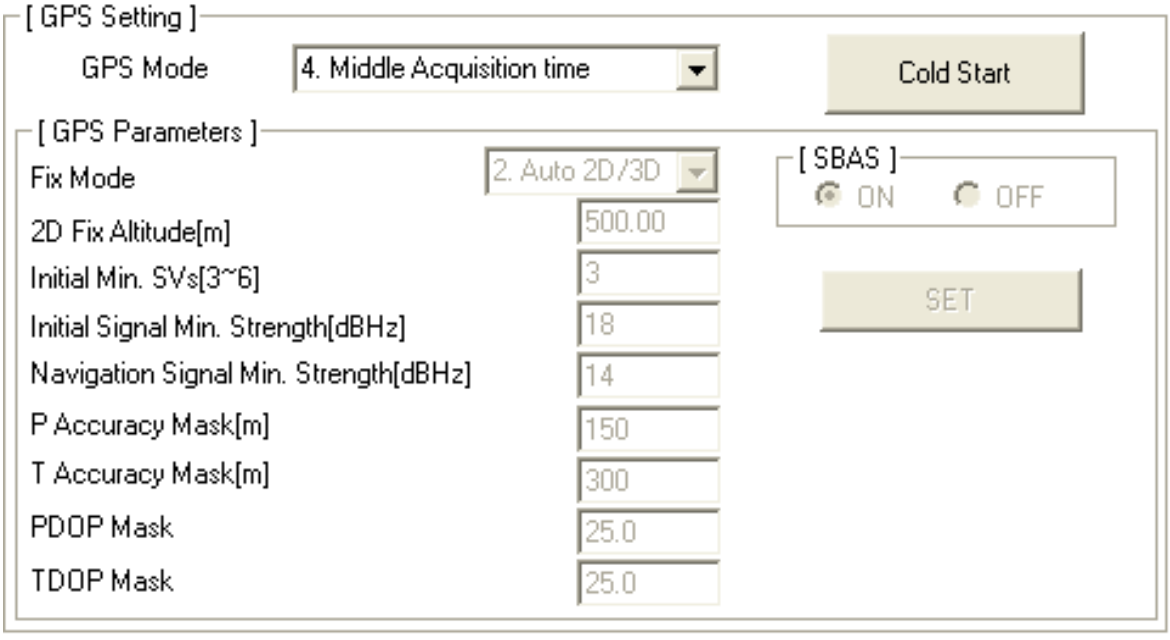
Ⅱ.3 Factory Setting:

Under Factory Setting mode, you can get acquisition with average accurate by taking regular time.



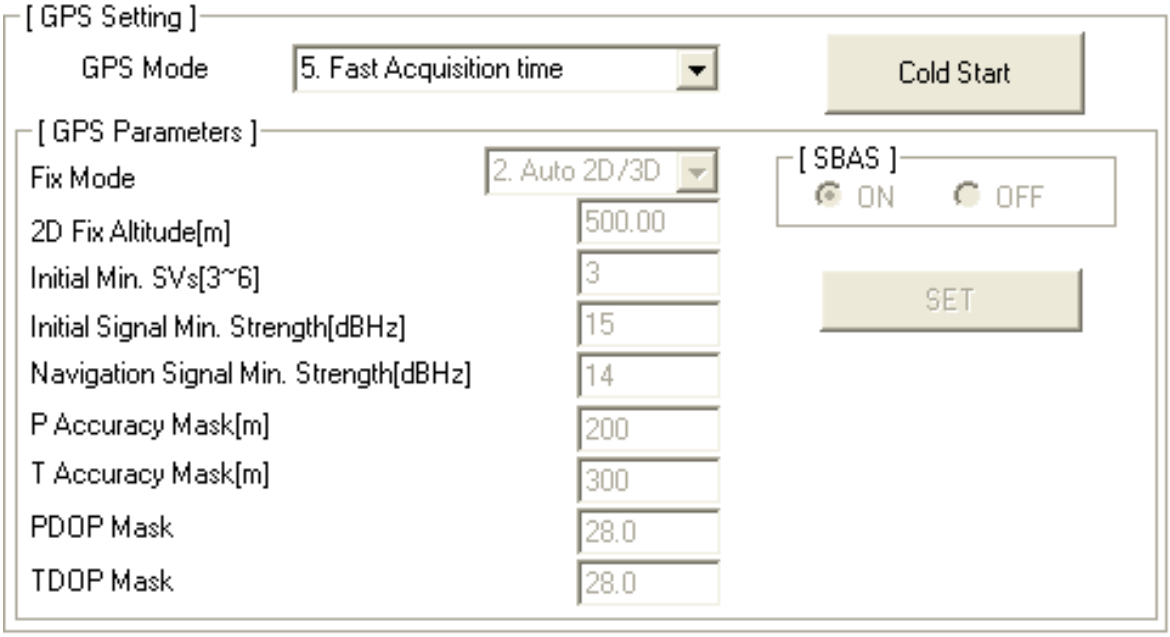
Ⅱ.4 Middle Acquisition time:

Under Middle Acquisition time mode, you can get quicker acquisition but with worse accuracy.



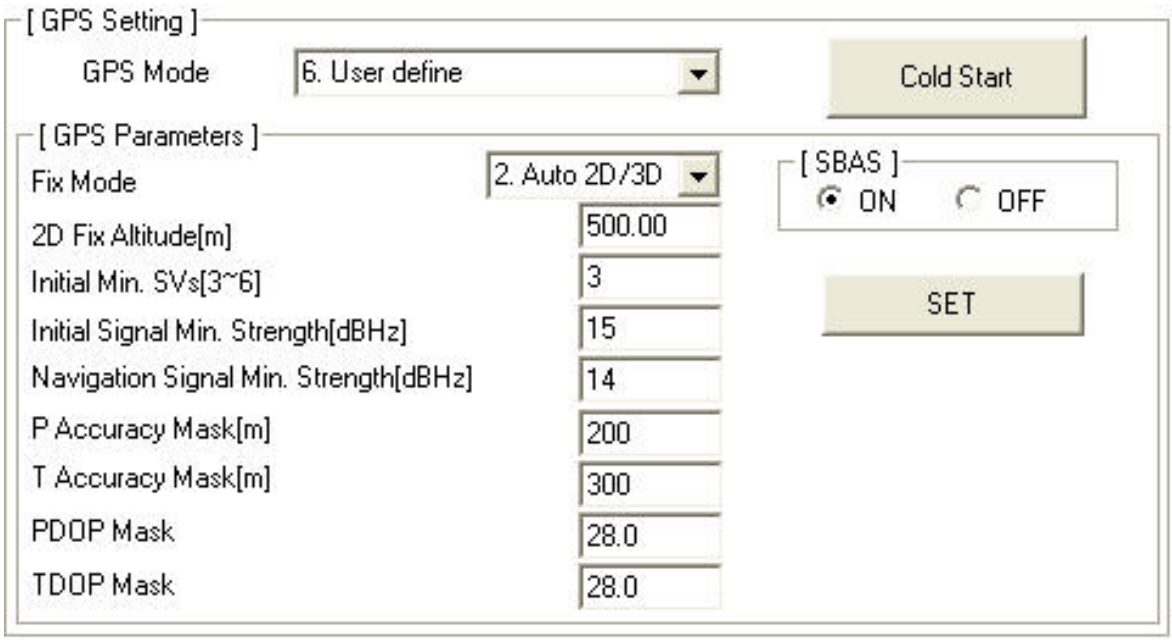
Ⅱ.5 Fast Acquisition time:

Under Fast Acquisition time mode, you can get quickest acquisition, but with worst accuracy.



Ⅱ.6 User define:

You can adjust the setting according to the environment and your demand by yourself.



Ⅲ. GPS parameters instruction:

Ⅲ.1 Fix Mode: There are three criteria for acquisition:

Ⅲ.1.1 2D only: get acquisition faster but less accuracy. The altitude will be used by default.

Ⅲ.1.2 Auto 2D/3D: Auto-switch 2D or 3D fix according to the current GPS signal.(suggest selecting)

Ⅲ.1.3 3D only: get acquisition slower but greater accuracy.

Ⅲ.2 2D Fix Altitude: When the GPS positioning is under 2D situation (without altitude), the data of altitude on the track will be shown as the value you set.

Ⅲ.3 Initial Min. SVs: Set how many GPS satellites used for the initial positioning.(“4” is suggested i.e. 3D fix)

Ⅲ.4 Initial Signal Min Strength: Set the GPS satellite’s strength used for the initial acquisition. The bigger value is, the greater accuracy provided, but you have to spend more time for acquisition. (The value between 20 and 40 is suggested. Under 20 is worse accuracy, and over 40, sometimes you can NOT receive the signal with strength at 40 dBHz under cloudy or rainy day)

Ⅲ.5 Navigation Signal Min Strength: Set the GPS satellite’s strength used after positioning. The bigger value is, the greater accuracy provided, but you have to spend more time for acquisition. (The value between 15 and 40 is suggested. Under 15 is worse accuracy, and over 40, sometimes you can NOT receive the signal with strength at 40 dBHz under cloudy or rainy day)

Ⅲ.6 PDOP Mask: When the value is bigger, the inaccuracy is greater, still you can position the GPS in the worse environment. The smaller value brings the better accuracy, but you may not be able to fix position in the worse environment. (The value between 5 and 30 is suggested.)

Ⅲ.7 TDOP Mask: When the value is bigger, the inaccuracy is greater, still you can position the GPS in the worse environment. The smaller value brings the better accuracy, but you may not be able to fix position in the worse environment. (The value between 5 and 30 is suggested.)

Ⅲ.8 P Accuracy Mask: When the value is bigger, the inaccuracy is greater; still you can position the GPS in the worse environment. The smaller value brings the better accuracy, but you may not be able to fix position in the worse environment. (The value between 50 and 300 is suggested.)

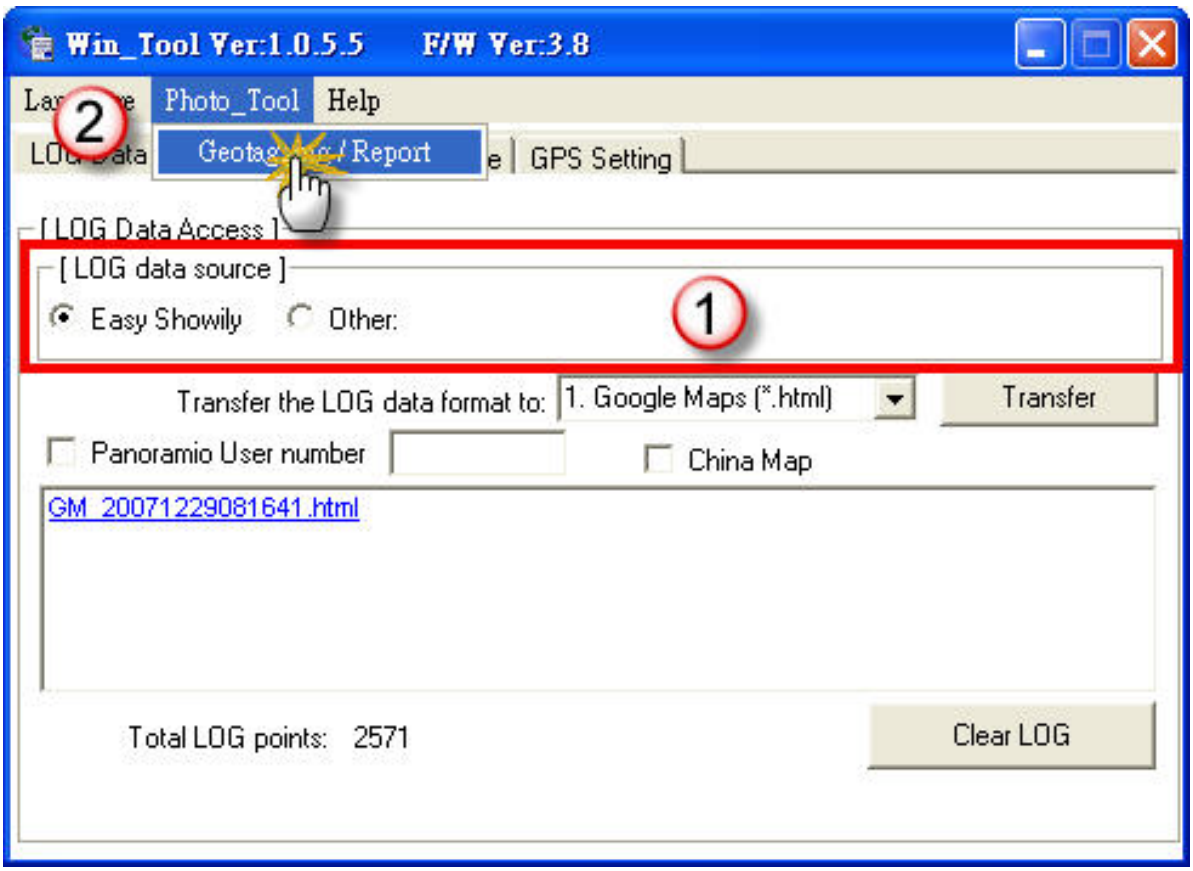
Ⅲ.9 T Accuracy Mask: When the value is bigger, the inaccuracy is greater; still you can position the GPS in the worse environment. The smaller value brings the better accuracy, but you may not be able to fix position in the worse environment. (The value between 50 and 300 is suggested.)

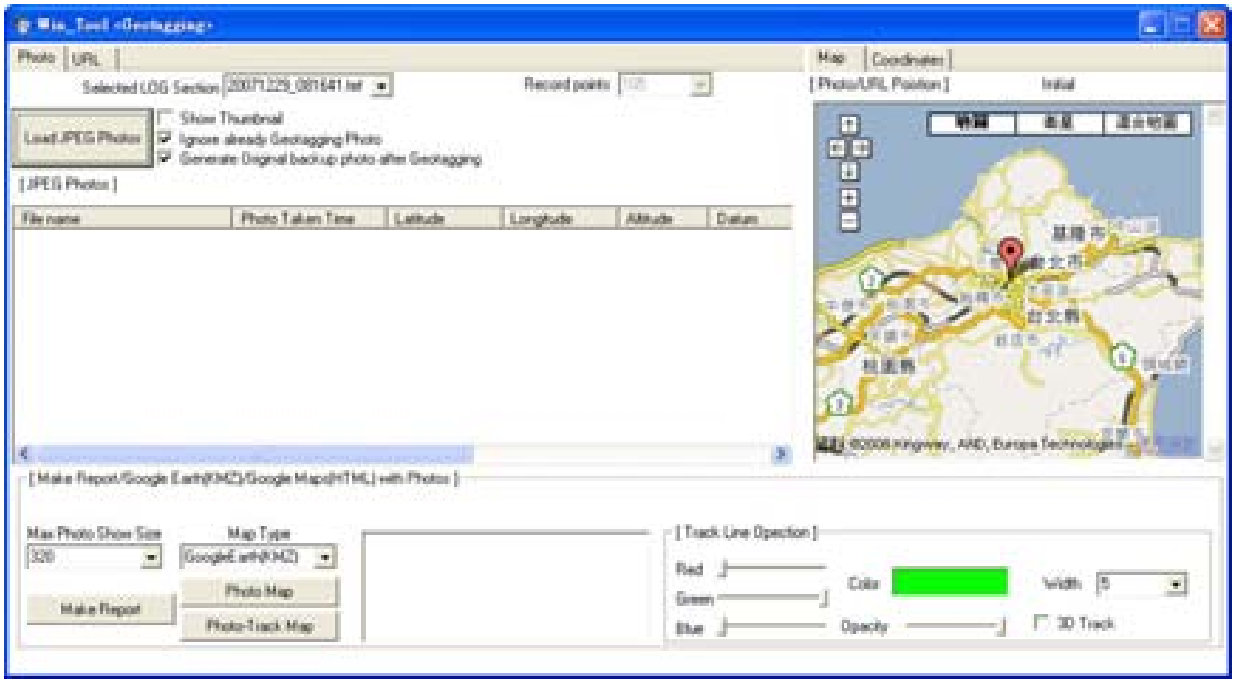
Ⅲ.10 SBAS: Enable/Disable SBAS function.

4.6 Geotagging and report functions :

4.6.1 Select a Log data source in the LOG Data tab.

4.6.2 Choose the “Photo_Tool” in the menu bar and click the item of “Geotagging/Report” to enter the page for advanced operation.





Ⅰ. Geotagging for JPEG photos:

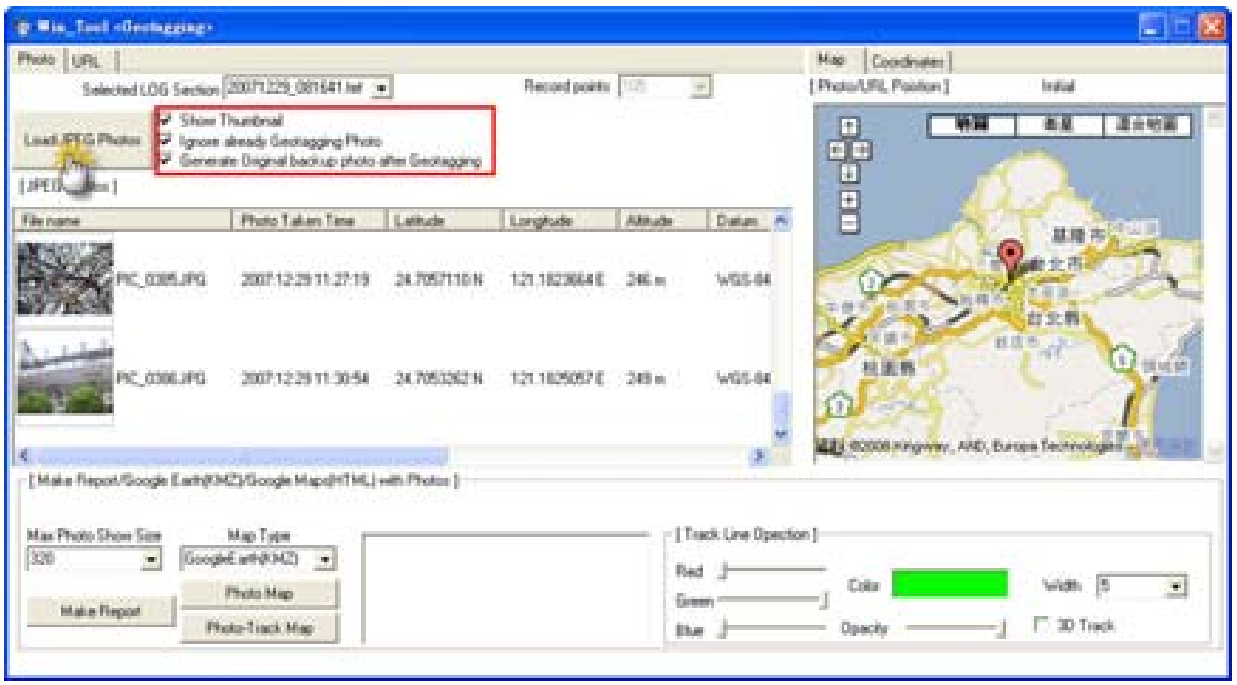
Ⅰ.1 Please be aware that the time zone of device and digital camera should be the same as each other, otherwise you will not have the correct Geotagging. We suggest that you can modify the device time zone to meet the camera's one if you have taken the photos and those two time zone were different. This procedure will ensure you a correct Geotagging.

Ⅰ.1.1 Press "Load JPEG Photos" button to select photos that you want to Geotag into [JPEG Photos] area, and the Geotagging will be done according to the chosen track and device time zone (The amount of way point for the chosen track should be more than 0).

Ⅰ.1.2 The minimized pictures will be shown in the [Selected JPEG Photos] area if you tick the item of "Show Thumbnail". Please be aware this item would slow down the photo selecting process.

Ⅰ.1.3 The select photo which is Geotagged before will not be Geotagged again if you tick the item of “Ignore already Geotagging photo”.

Ⅰ.1.4 If you want to auto-backup the original photos after Geotagging, please tick the item of “Generate Original back-up photo after Geotagging”, and the name of the file will be “BACK_(original file name)”.

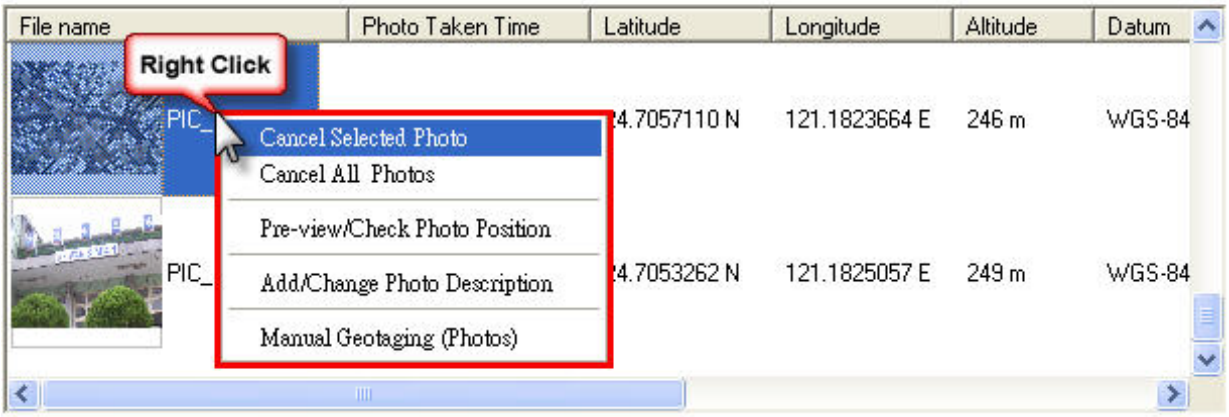


Ⅰ.2 Remove the photo in the [JPEG Photos] area:

Ⅰ.2.1 In the [JPEG Photos] area, choose one or more photos you want to remove, and use right click function to cancel it. You also can erase it by pressing “Delete” key on the keyboard.

Ⅰ.2.2 Right click the mouse in the [JPEG Photos] area and select ”Cancel All Photos” to remove all select photos.

[JPEG Photos]

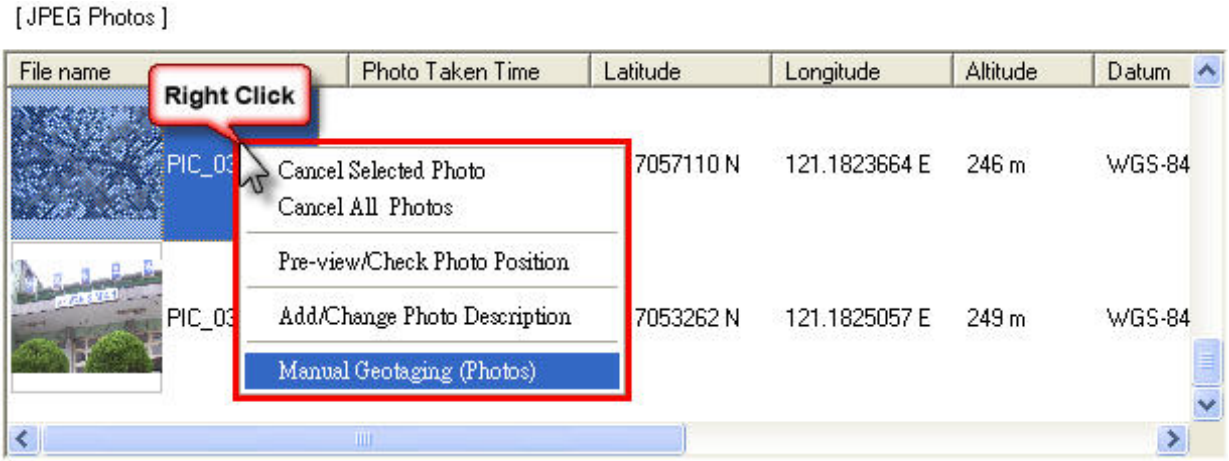


Ⅰ.3 Manual Geotagging:The photo can be Geotagged manually when there is no track or you want to modify the geographic coordinates.

Ⅰ.3.1 Manual Geotagging:

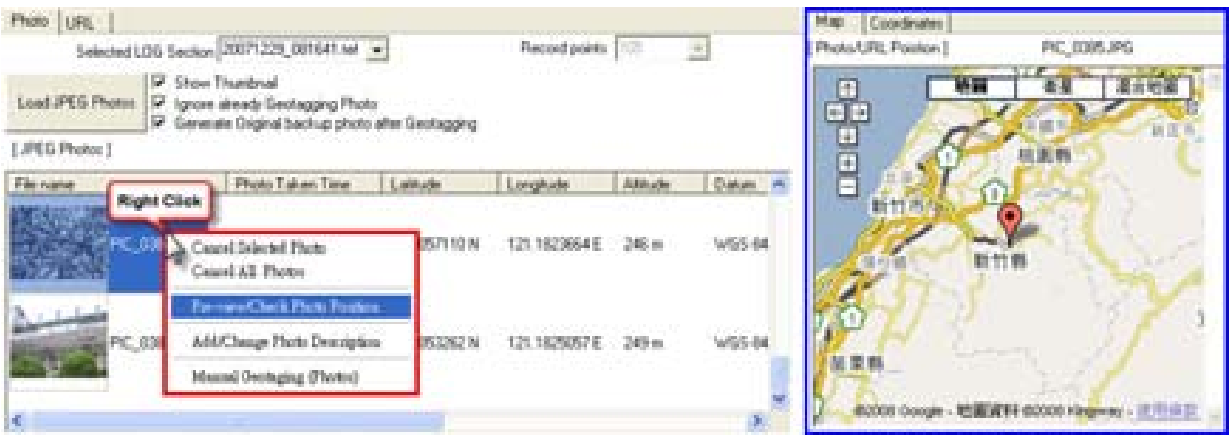
Ⅰ.3.1.1 In the Map tab, please drag the red mark on map to the correct position or switch to the coordinate tab and key in the exact Latitude (format: dd.ddddddd degree), Longitude (format: ddd.ddddddd degree) and Altitude in their blank.

Ⅰ.3.1.2 Select a photo you want to Geotag from the [JPEG Photos] area, and use the right click function to choose “Manual Geotagging (Photos)”. Now, the process is complete.



Ⅰ.3.2 Modify the geographic data of Geotagged photos:

Ⅰ.3.2.1 Select a photo you want to modify the geographic data. Use right click function to choose “Pre-view/Check Photo Position in GM” item to show the present position on Google Maps, and directly drag the mark to the proper position or key in the exact Latitude (format: dd.ddddddd degree), Longitude (format: ddd.ddddddd degree) and Altitude in their blank in Coordinates tab.



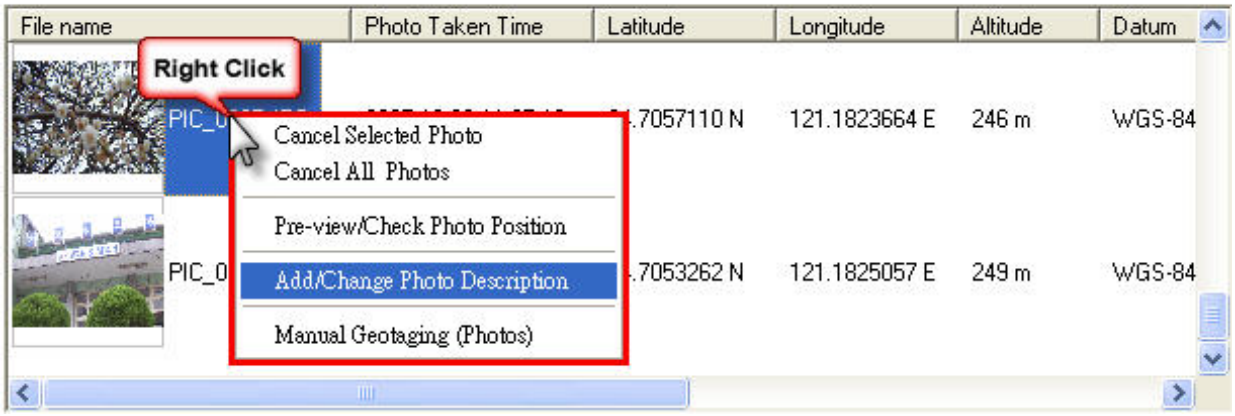
Ⅰ.3.2.2 Select a photo which can fit in with the position you modify as last step, and use the right click function to choose “Manual Geotagging (Photos)”. Now, the modification is complete.

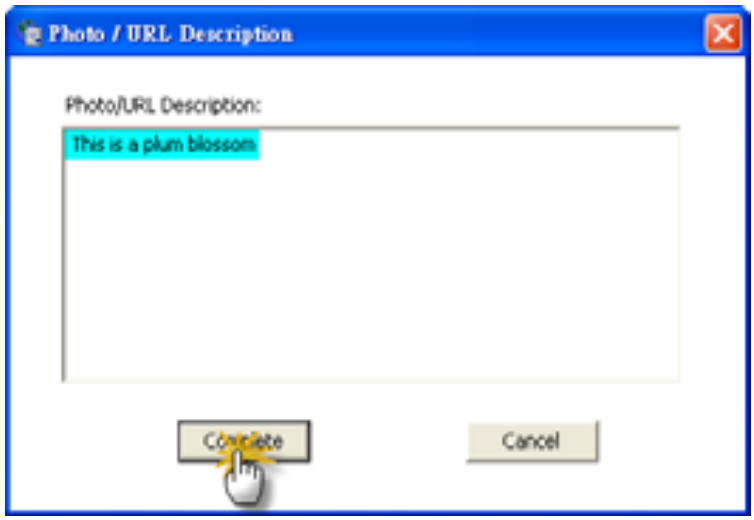
Ⅱ. Generate a Google Earth file (*.kmz) including photos:

Ⅱ.1 Select JPEG photos and complete the Geotagging.

Ⅱ.2 If you want to add or modify the description to photos, please select a photo in the [JPEG Photos] area, use right click function to choose “Add/Change Photo Description” item, key in the detail and press the “Complete” button.

[JPEG Photos]





[JPEG Photos]

	Photo Taken Time	Latitude	Longitude	Altitude	Datum	Description	W
PG	2007:12:29 11:27:19	24.7057110 N	121.1823664 E	246 m	WGS-84	This is a plum ...	32
PG	2007:12:29 11:30:54	24.7053262 N	121.1825057 E	249 m	WGS-84		32

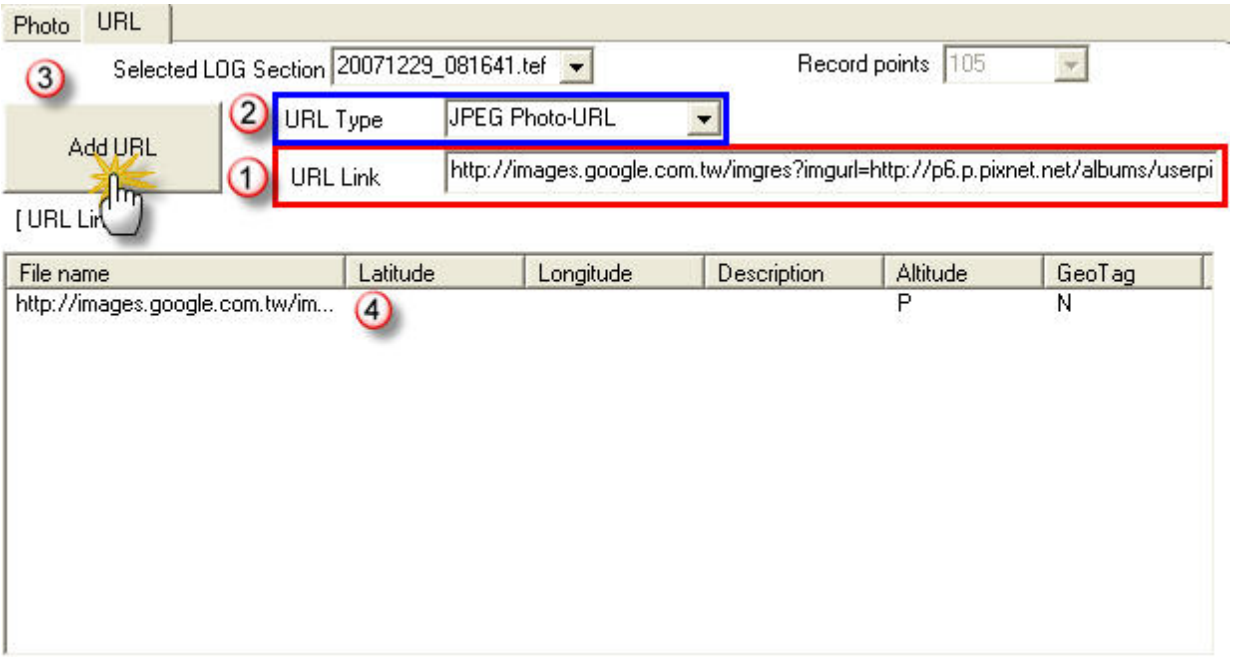
Ⅱ.3 Add the web picture (JEPG) or video link to the track map.

Ⅱ.3.1 Switch to URL tab, and key in (paste) the link of web picture or video to the blank of “URL Link”.

Ⅱ.3.2 Select a correct URL type (JPEG Photo or Video).

Ⅱ.3.3 Press the “Add URL” button.

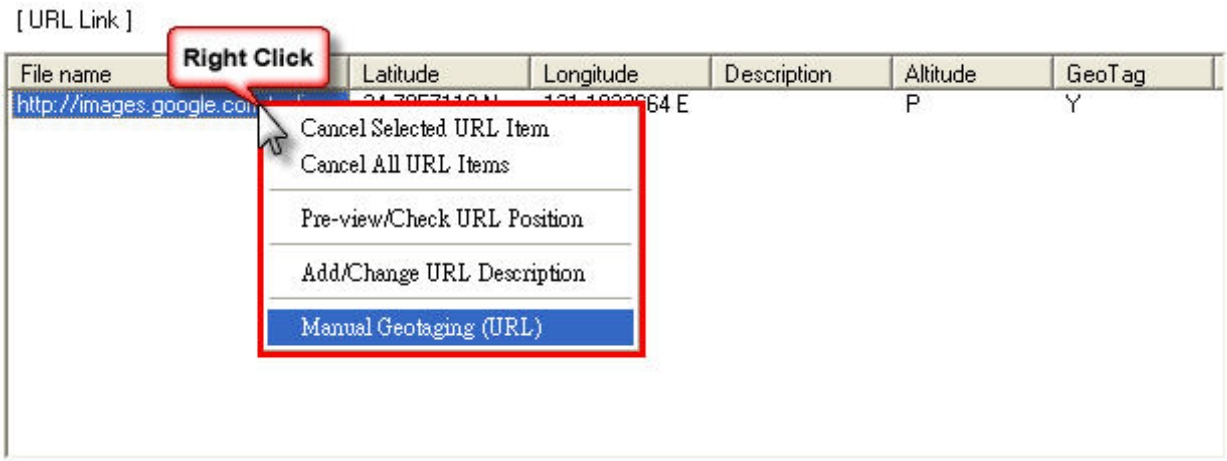
Ⅱ.3.4 The URL item will be added to the [URL Link] area.



Ⅱ.3.5 Geotag the URL item:

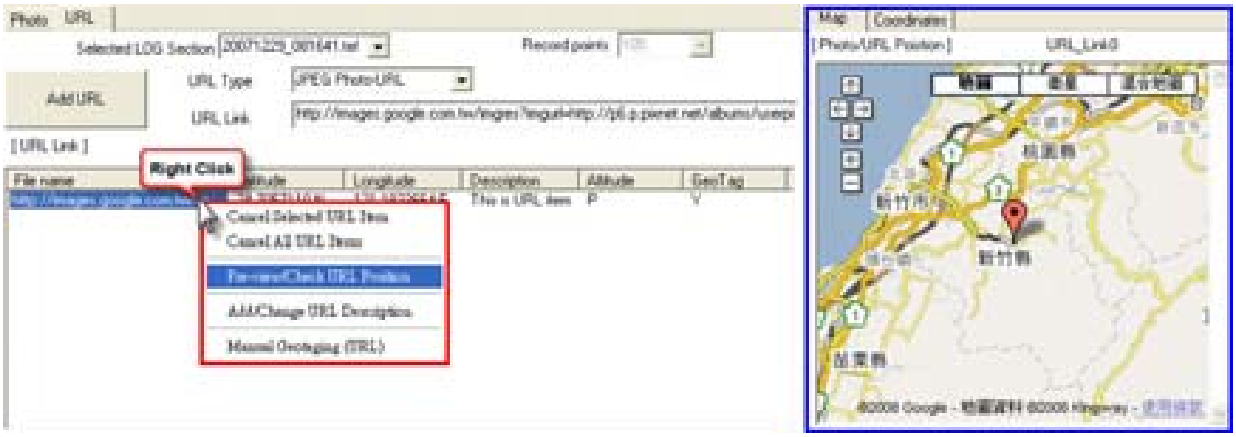
Ⅱ.3.5.1 In the Map tab, please directly drag the red mark on map to the correct position or switch to the coordinate tab and key in the exact Latitude (format: dd.ddddddd degree), Longitude (format: ddd.ddddddd degree) and Altitude in their blank.

Ⅱ.3.5.2 Select a photo you want to Geotag from the [URL Link] area, and use the right click function to choose “Manual Geotagging (URL)”. Now, the process is complete.



Ⅱ.3.6 Modify the geographic data of Geotagged RUL item:

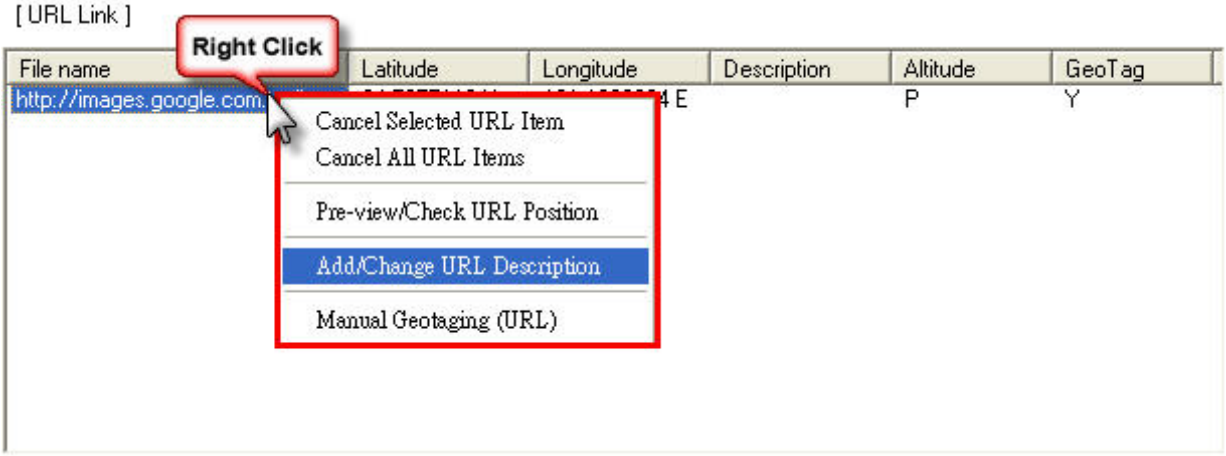
Ⅱ.3.6.1 Select a URL item you want to modify the geographic data. Use right click function to choose “Pre-view/Check URL Position in GM” item to show the present position on Google Maps, and directly drag the mark to the proper position or key in the exact Latitude (format: dd.ddddddd degree), Longitude (format: ddd.ddddddd degree) and Altitude in their blank in Coordinates tab.

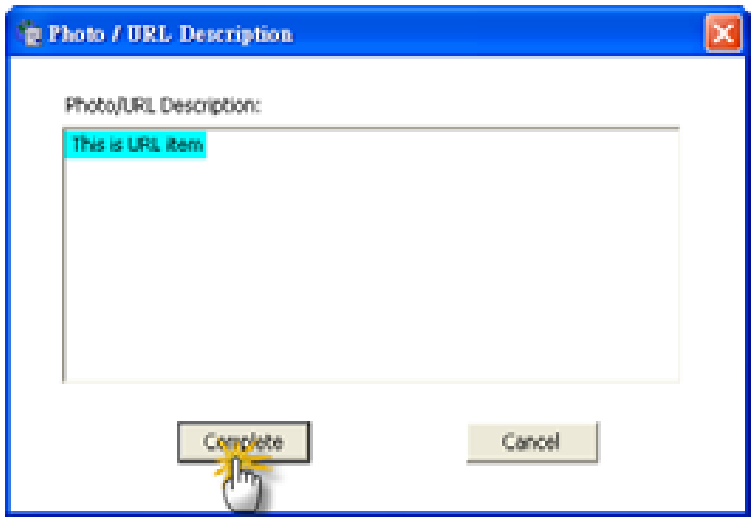


Ⅱ.3.6.2 Select a URL item which can fit in with the position you modify as last step, and use the right click function to choose “Manual Geotagging (Photos)”. Now, the modification is complete.

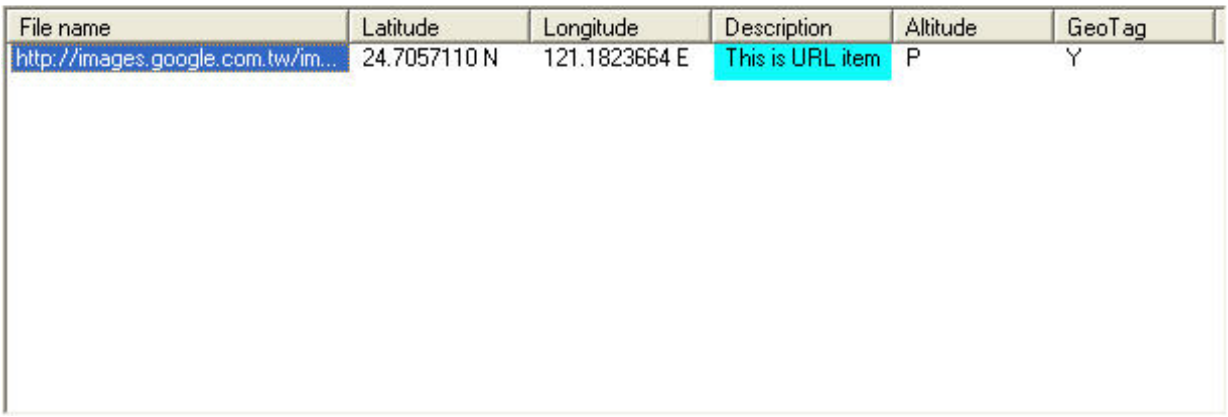
Ⅱ.3.7 If you want to add or modify the description to URL item, please select one in the [URL Link] area, use right click function to choose “Add/Change URL Description” item, key in the detail and press the “Complete” button.

[URL Link]





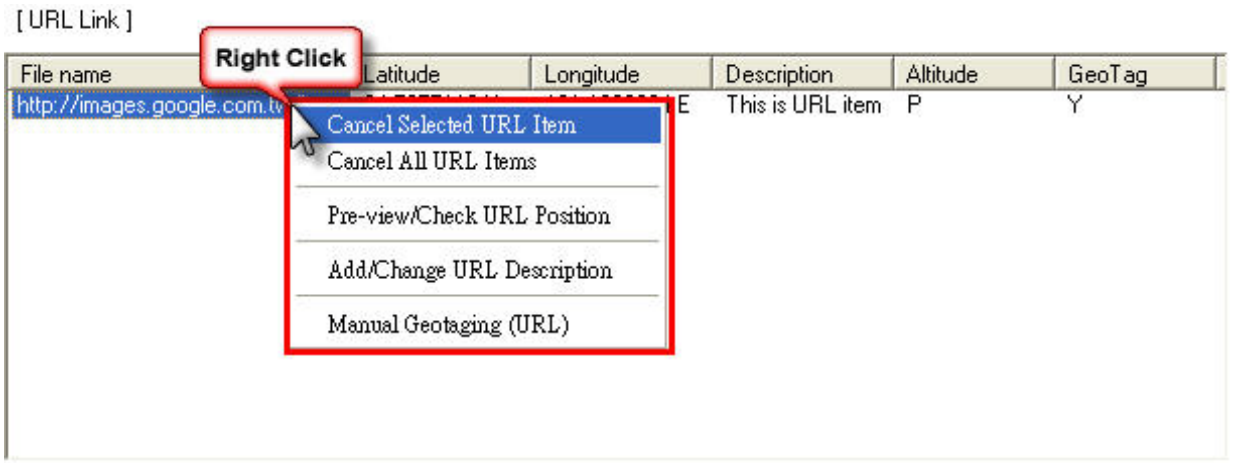
[URL Link]



Ⅱ.3.8 Remove the URL item in the [URL Link] area:

Ⅱ.3.8.1 In the [URL Link] area, choose one or more items you want to remove, and use the right click function to cancel it. You also can erase it by pressing “Delete” key on the keyboard.

Ⅱ.3.8.2 Right click the mouse in the [URL link] area and select “Cancel All URL Item” to remove all items.



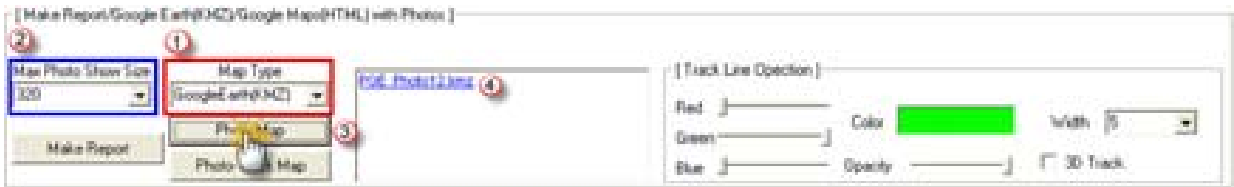
Ⅱ.4 Generate a Google Earth Map file including photos and URL items:

Ⅱ.4.1 Select the Map Type as “Google Earth (KMZ)”.

Ⅱ.4.2 Select the Max. Size of photo you want to show on map.

Ⅱ.4.3 Press the “Photo Map” button.

Ⅱ.4.4 The Google Earth Map File (PGE***.kmz) including photos and URL items will be shown up.



Ⅱ.5 Generate a Google Earth Map File including photos, URL items and a track. Please be aware that the recorded point of select track (*.tes) should be more than 0.

Ⅱ.5.1 Select a LOG section (*.tef).

Ⅱ.5.2 Select the Map Type as “Google Earth (KMZ)”.

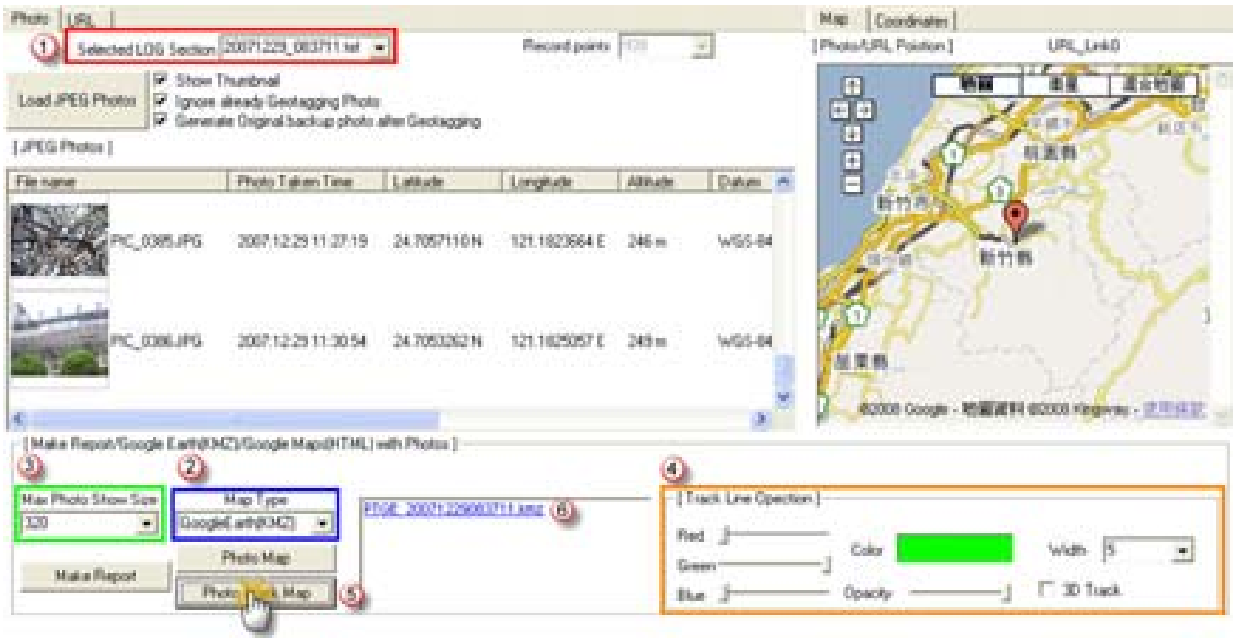
Ⅱ.5.3 Select the Max. Size of photo you want to show on map.

Ⅱ.5.4 Select the color, transparency and width of the track line, also tick the item of “3D Track” if you want to show the track on Google Earth with height.

Ⅱ.5.5 Press the “Photo-Track Map” button.

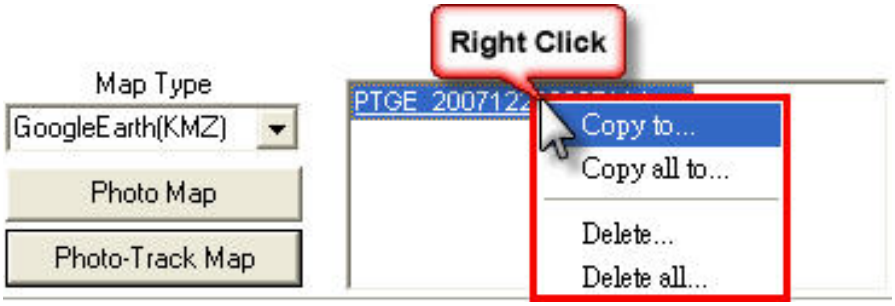
Ⅱ.5.6 The Google Earth Map file (PTGE***.kmz) including photos, URL items and a track will be shown up.

Note: If the time of select photos doesn’t match the chosen LOG section, those photos will not be integrated into the map.



Ⅱ.6 Copy and Delete the Map file:

Select a file in the list and use the right click function to complete the copy or deletion process.



* Following is a Google Earth Map including photos, URL items and a recorded track.

Ⅲ. Generate a Google Maps file (*.html) including photos:

Ⅲ.1 Select JPEG photos and complete the Geotagging.

Ⅲ.2 If you want to add or modify the description to photos, please refer to page 49 at part Ⅱ.2.

Ⅲ.3 Add the web picture (JEPG) or video link to the track map, please refer to page 50 at part Ⅱ.3.

Ⅲ.4 Generate a Google Maps Map File including photos (and URL items):

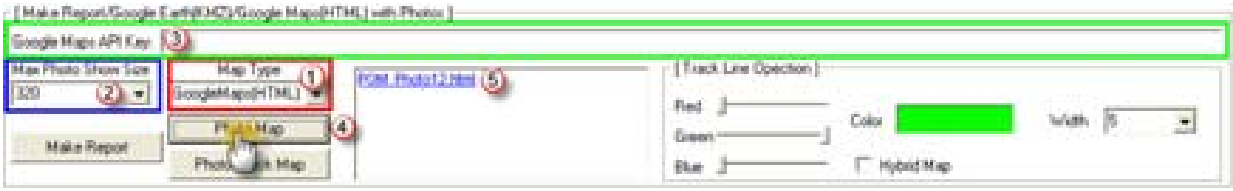
Ⅲ.4.1 Select the Map Type as “Google Maps (HTML)”.

Ⅲ.4.2 Select the Max. Size of photo you want shown on map.

Ⅲ.4.3 Please key your exclusive “Google Maps API Key” in its blank if you want to share the map with your Blog.

Ⅲ.4.4 Press the “Photo Map” button.

Ⅲ.4.5 The Google Maps Map File (PGM***.html) including photos will be shown up.



Ⅲ.5 Generate a Google Maps Map File including photos, URL items and a track. Please be aware that the recorded point of select track (*.tes) should be more than 0.

Ⅲ.5.1 Select a LOG Section (*.tef).

Ⅲ.5.2 Select the Map Type as “Google Maps (HTML)”.

Ⅲ.5.3 Select the Max. Size of photo you want to show on map.

Ⅲ.5.4 Please key your exclusive “Google MAPS API Key” in its blank if you want to share the map with your Blog.

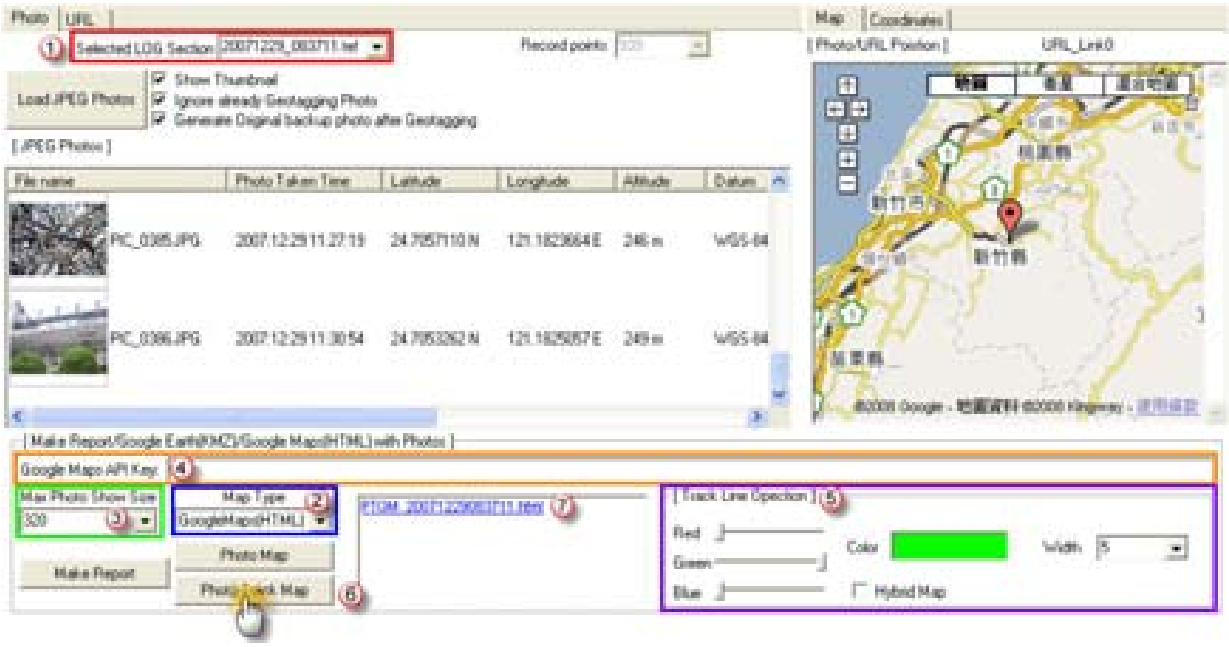
Ⅲ.5.5 Select the color and width of track line, also tick the item of “Hybrid Map” if you want to use the map with both

road and satellite image.

Ⅲ.5.6 Press the “Photo-Track Map” button.

Ⅲ.5.7 The Google Maps Map File (PTGM***.html) including photos, URL items and a track will be shown up.

Note: If the time of select photos doesn’t match the chosen LOG section, those photos will not be integrated into the map.



Ⅲ.6 Copy and Delete the Map File:

Select a file in the list and use the right click function to complete the copy or deletion process.

* Following is a Google Maps Map including photos, URL items and a track.

Ⅳ. Generate an analytic report for select track:

Please be aware that the record points of select track (*.tes) should be more than “0”.

Ⅳ.1 Select a LOG Section for the generation of report (*.tef). If the select one is Google Maps Map File (PTGM***.html) including photos and track, it will replaced the original track map in report, and then the step Ⅳ.2 can be ignored.

Ⅳ.2 Select the color and width of track line, also tick the item of “Hybrid Map” if you want to use the map with both road and satellite image.

Ⅳ.3 Press the “Make Report” button to generate all diagrams and open <Report> page.

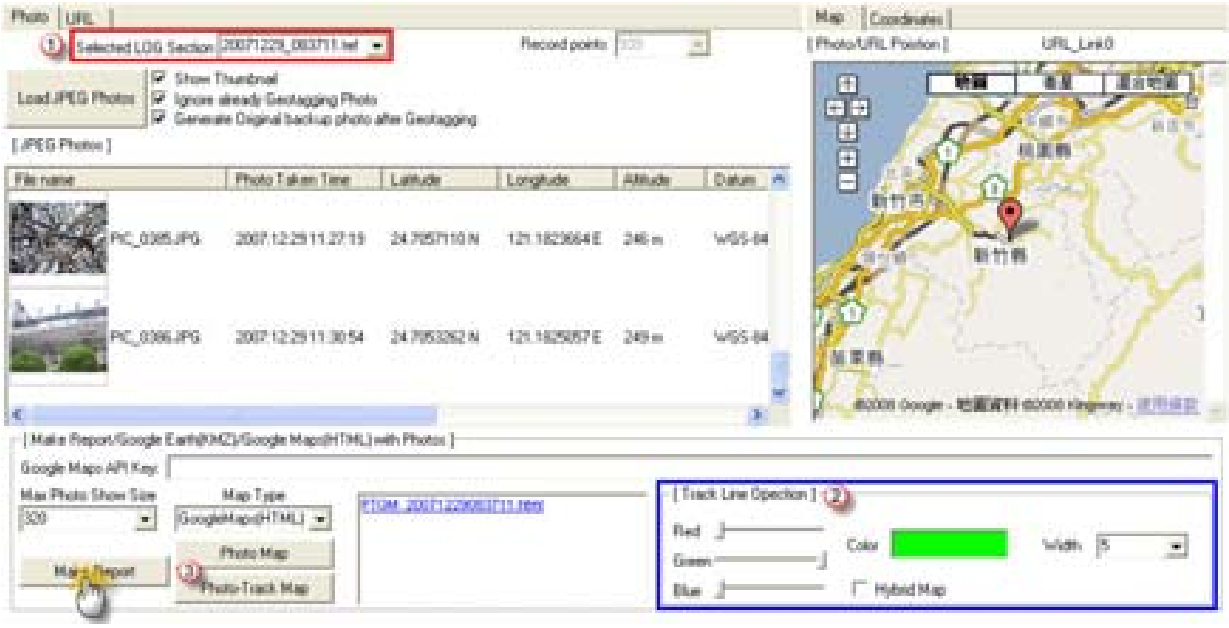
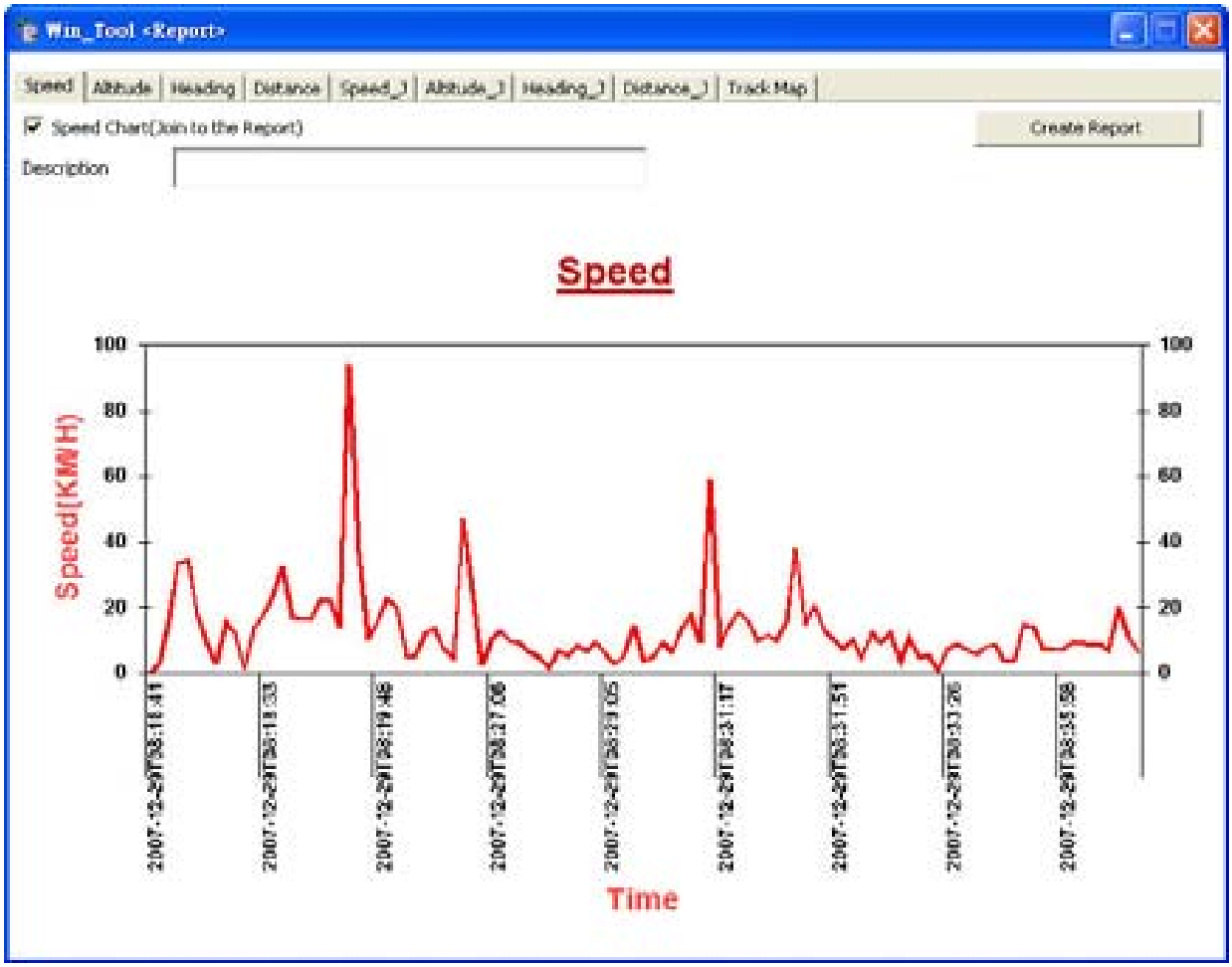
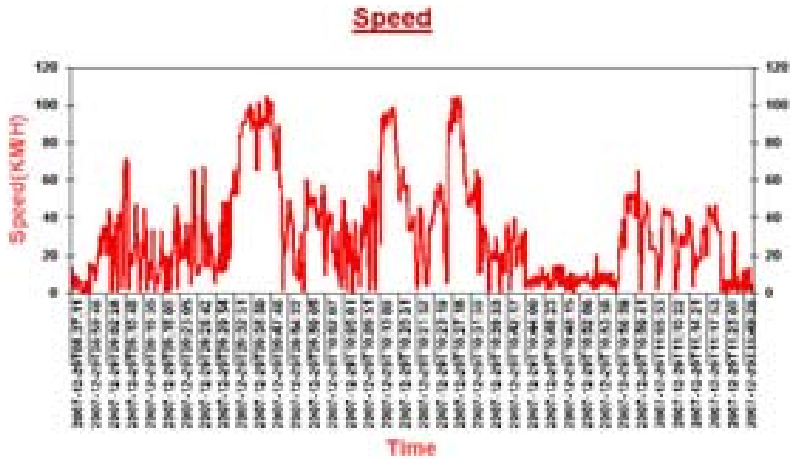


Photo
URL
Selected LOG Section
Record points
Load JPEG Photos
Show Thumbnail
Ignore already Geotagging Photo
Generate Original backup photo after Geotagging
[JPEG Photos]
File name
Photo Taken Time
Latitude
Longitude
Altitude
Datum
PIC_0385.JPG
PIC_0386.JPG
Map
Coordinates
[Photo/URL Position]
[Make Report/Google Earth(KMZ)/Google Maps(HTML) with Photos]
Google Maps API Key
Max Photo Show Size
Map Type
Photo Map
Photo-Track Map
[Track Line Opection]
Red
Green
Blue
Color
Width
Hybrid Map

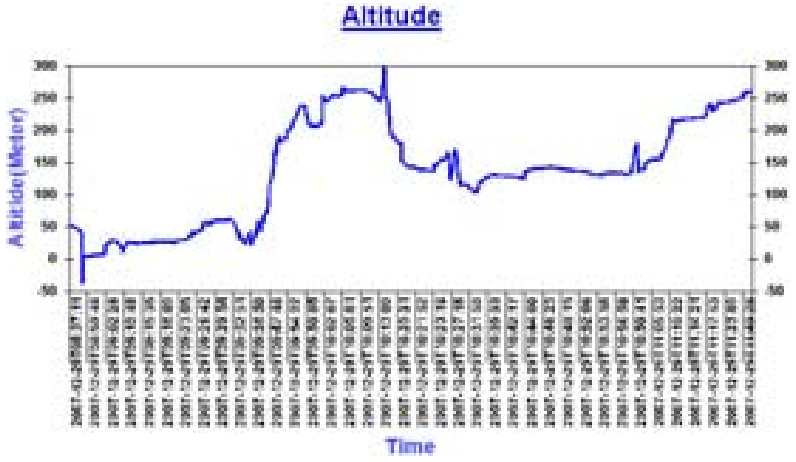

Win_Tool <Report>
Speed
Altitude
Heading
Distance
Speed_1
Altitude_1
Heading_1
Distance_1
Track Map
Speed Chart(Join to the Report)
Create Report
Description
Speed
Speed(KM/H)
Time

Ⅳ.4 In the <Report > page, please reconfirm if every chart is completed, tick some you want to add to report and key the note in the description column.

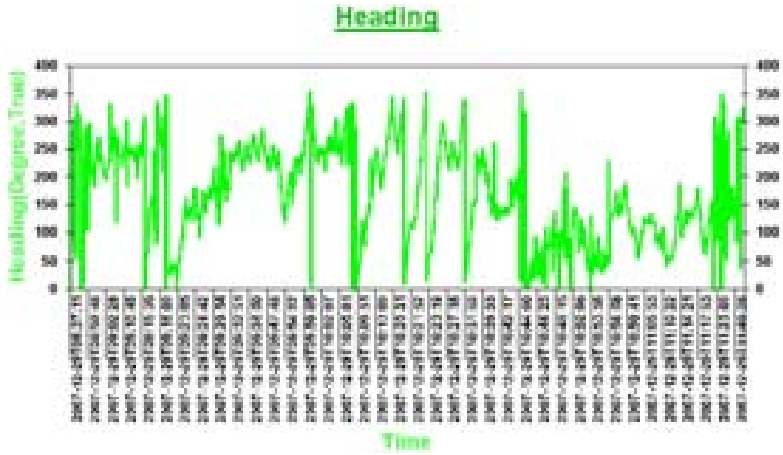
Ⅳ.4.1 Speed Chart:



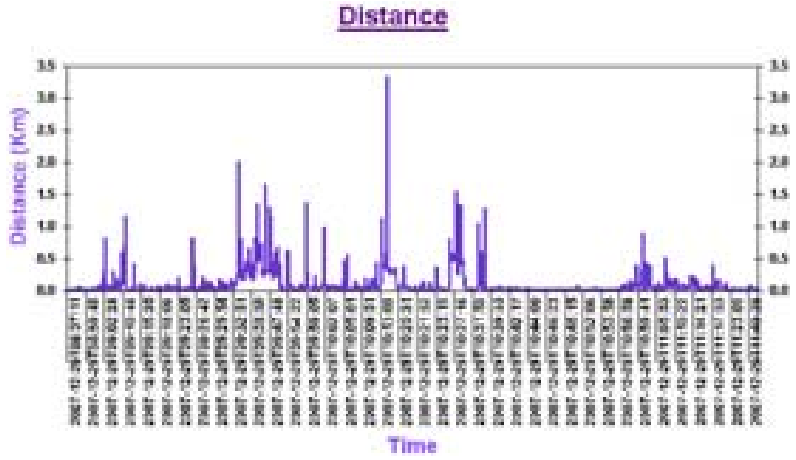
Ⅳ.4.2 Altitude Chart:



Ⅳ.4.3 Heading Chart:



Ⅳ.4.4 Distance Chart:

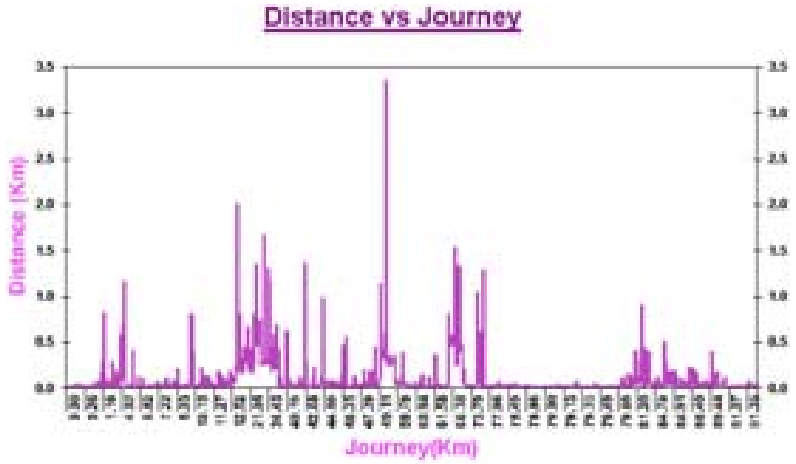


Ⅳ4.5 Chart for Speed vs. Journey:

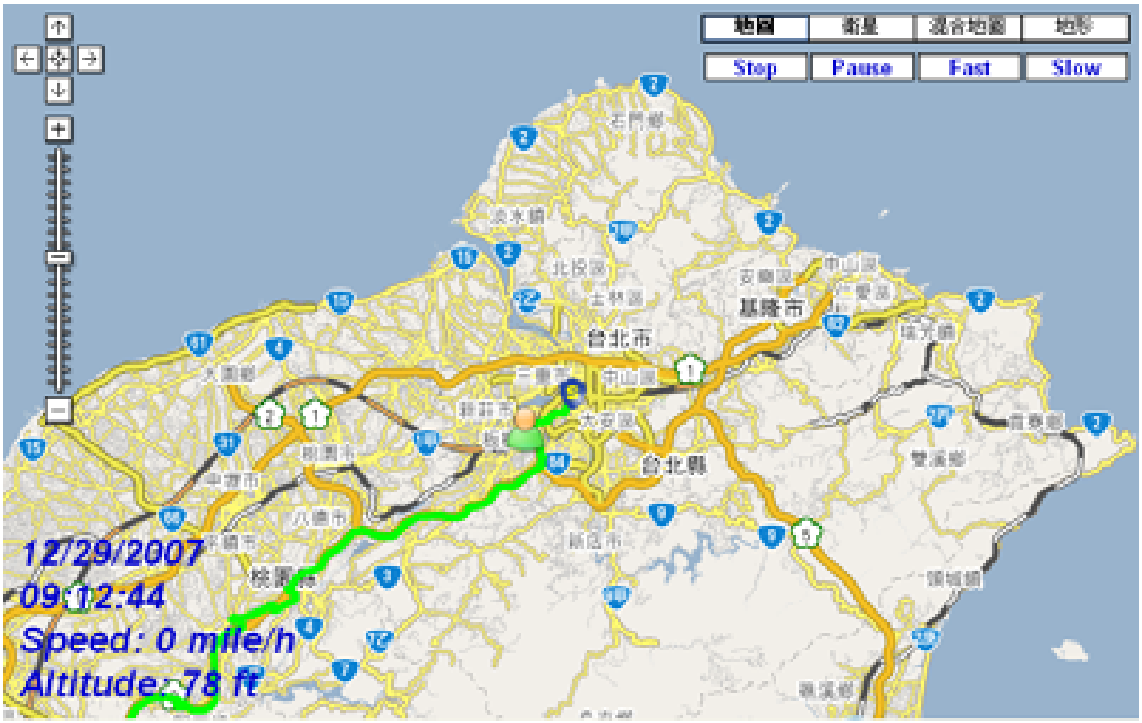
Ⅳ.4.6 Chart for Altitude vs. Journey:

Ⅳ.4.7 Chart for Heading vs. Journey:

Ⅳ.4.8 Chart for Distance vs. Journey:



Ⅳ.4.9 Track Map:



Ⅳ.5 Press the “Create Report” button to generate the report with html format, and open the report by browser automatically.

The content of report includes not only above charts and map, but also the track information (please refer to the following).

Track Information

Track Information	
Device Name	This is Demo
Track Points	105
Distance	2.21 Km(1.38 Mile)
Total Time	0 Hour 19 Minute 37 Second (2007-12-29T08:16:41 ~ 2007-12-29T08:36:18)
Move Time	0 Hour 19 Minute 37 Second
Stop Time	0 Hour 0 Minute 0 Second
Avg. Speed(Total)	6.77 Km/h (4.21 Mile/h)
Avg. Speed(Move)	6.77 Km/h (4.21 Mile/h)
Max. Speed	94.15 Km/h (58.50 Mile/h)
Max. Altitude	60 Meters (196.85 Feets)
Min. Altitude	53 Meters (173.88 Feets)
Zone	+8

Ⅳ.6 Press the “Save Report” button to indicate the path for saving.

4.7 Google Maps with Panoramio:

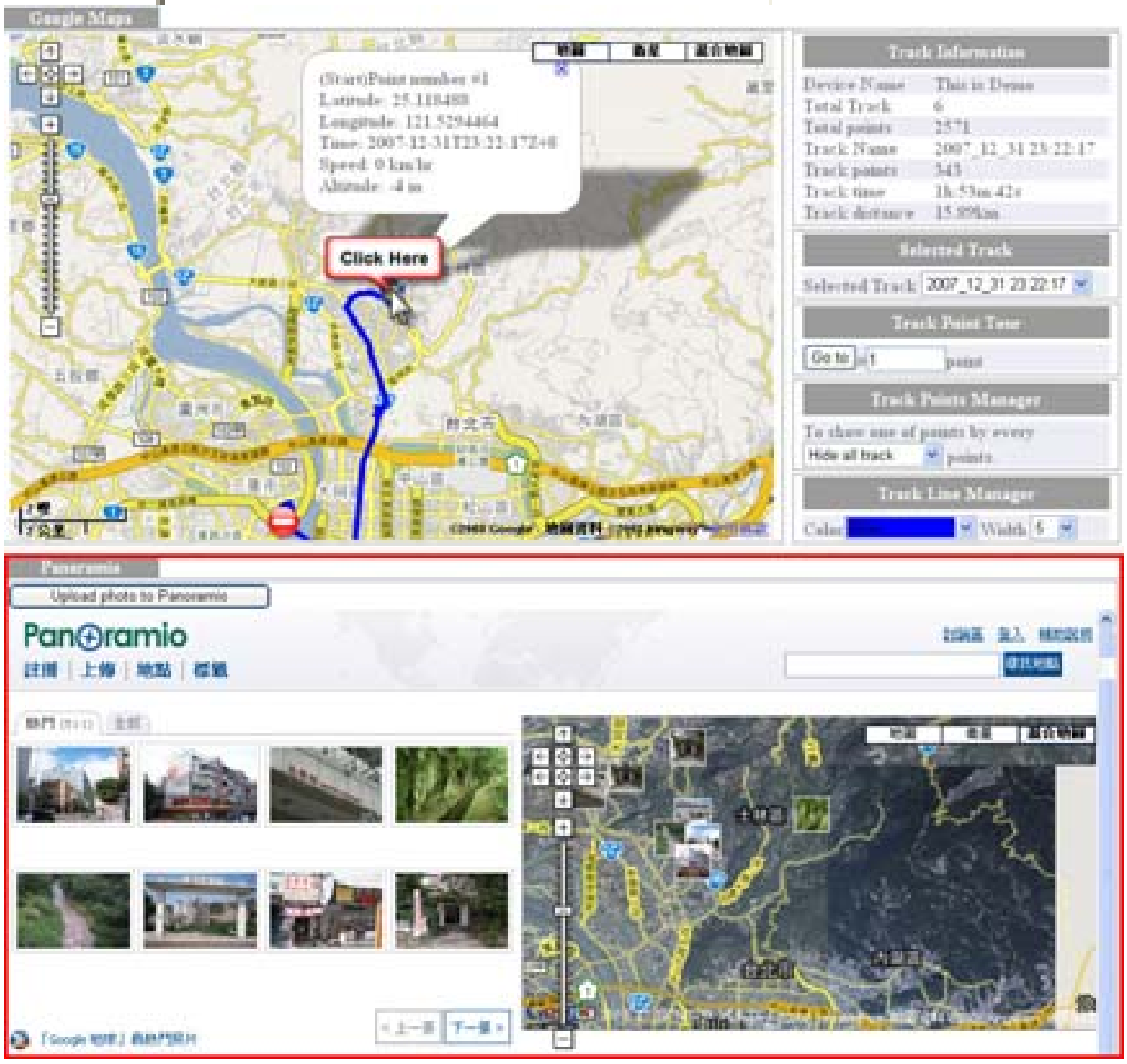
Ⅰ. View all nearby public photos on the Panoramio of the selected track points.

Ⅰ.1 Tick the item of “Panoramio User number” and do not key in anything.

Ⅰ.2 Click “Transfer” button to convert LOG data to Google Maps format and execute it via browser automatically.

Ⅰ.3 Just click any track point icon on the Google Maps.

Ⅰ.4 All nearby photos on the Panoramio of the selected track point will show up.

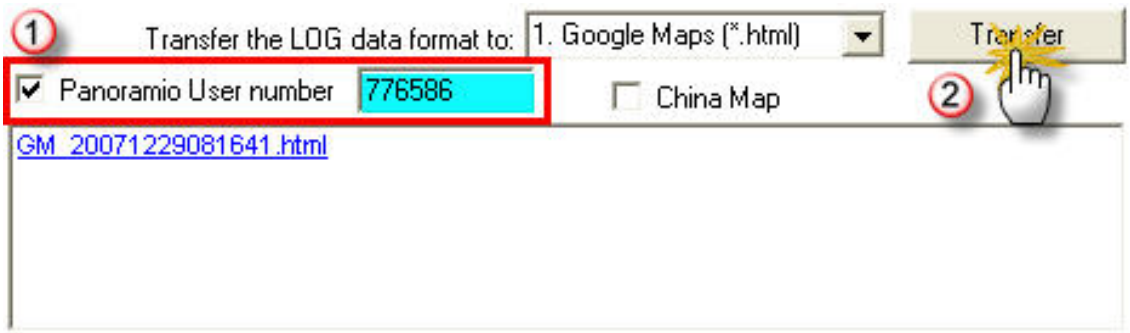


Ⅱ. View all nearby photos held by yourself on the Panoramio of the selected track points.

Ⅱ.1 After Geotagging your photos (Please refer to 4.6 part I), press the “Upload photo to Panoramio” button to link to Panoramio website and upload your photos.

Please be aware that you have to register and login Panoramio before you upload photos.

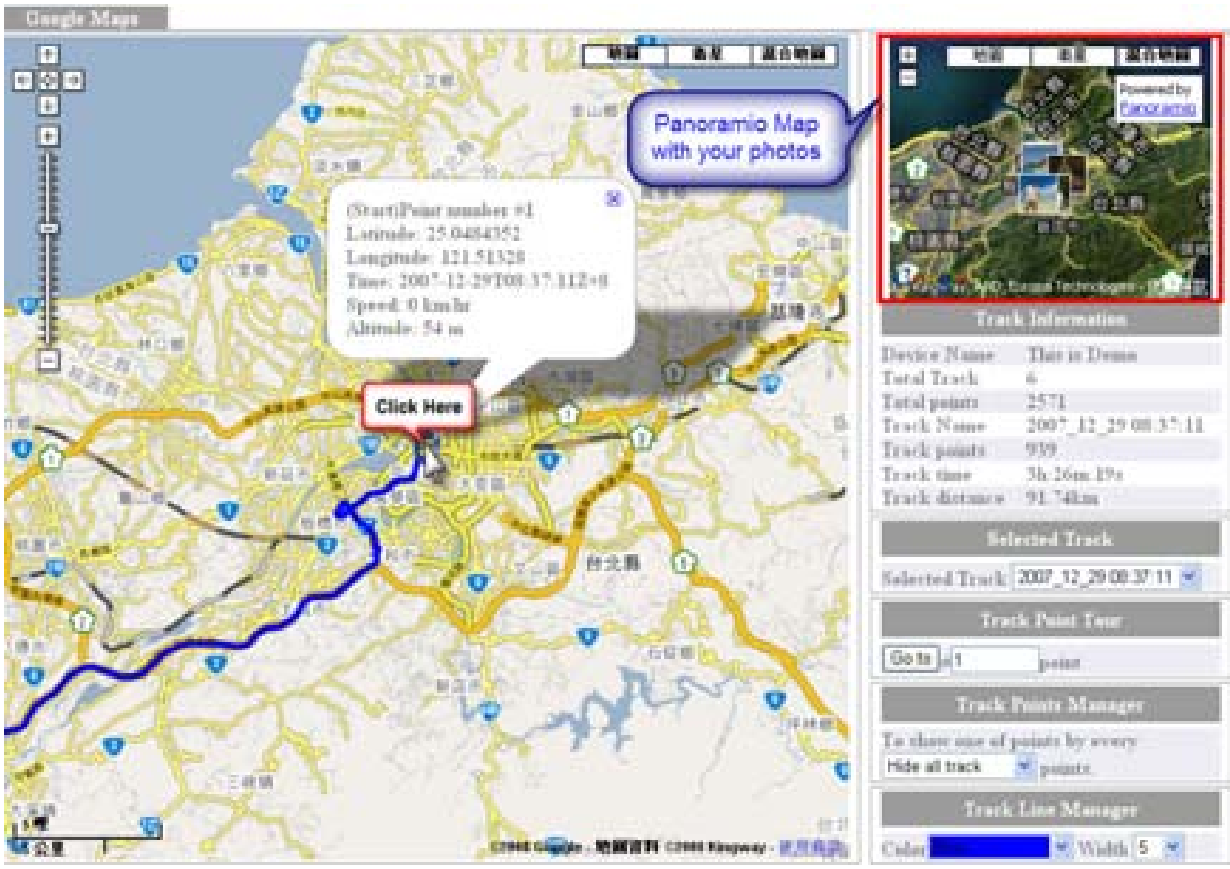
Ⅱ.2 Back to Win_Tool, tick the item of “Panoramio User number” and key in your Panoramio user number in the blank (you can find the number in the URL of your Panoramio personal page. Ex: http://www.panoramio.com/user/776586).



Ⅱ.3 Click “Google Maps” button to convert LOG data into Google Maps format with your Panoramio user number and execute it via browser automatically.

Ⅱ.4 Just click any track point icon on the Google Maps.

Ⅱ.5 All nearby your own photos on the Panoramio of the selected track point will show up.


Google Maps
Panoramio Map with your photos
(Start)Point number =1
Latitude: 25.0484352
Longitude: 121.51328
Time: 2007-12-29T08:37:11Z+0
Speed: 0 km/hr
Altitude: 54 m
Click Here
Powered by Panoramio
Track Information
Device Name This is Demo
Total Track 6
Total points 2571
Track Name 2007_12_29 08:37:11
Track points 939
Track time 3h 26m 19s
Track distance 91.74km
Selected Track
Selected Track 2007_12_29 08:37:11
Track Point Tour
Go to 1 point
Track Points Manager
To show one of points by every
Hide all track points
Track Line Manager
Color Width 5

Part 7 Application of TimeMachineX

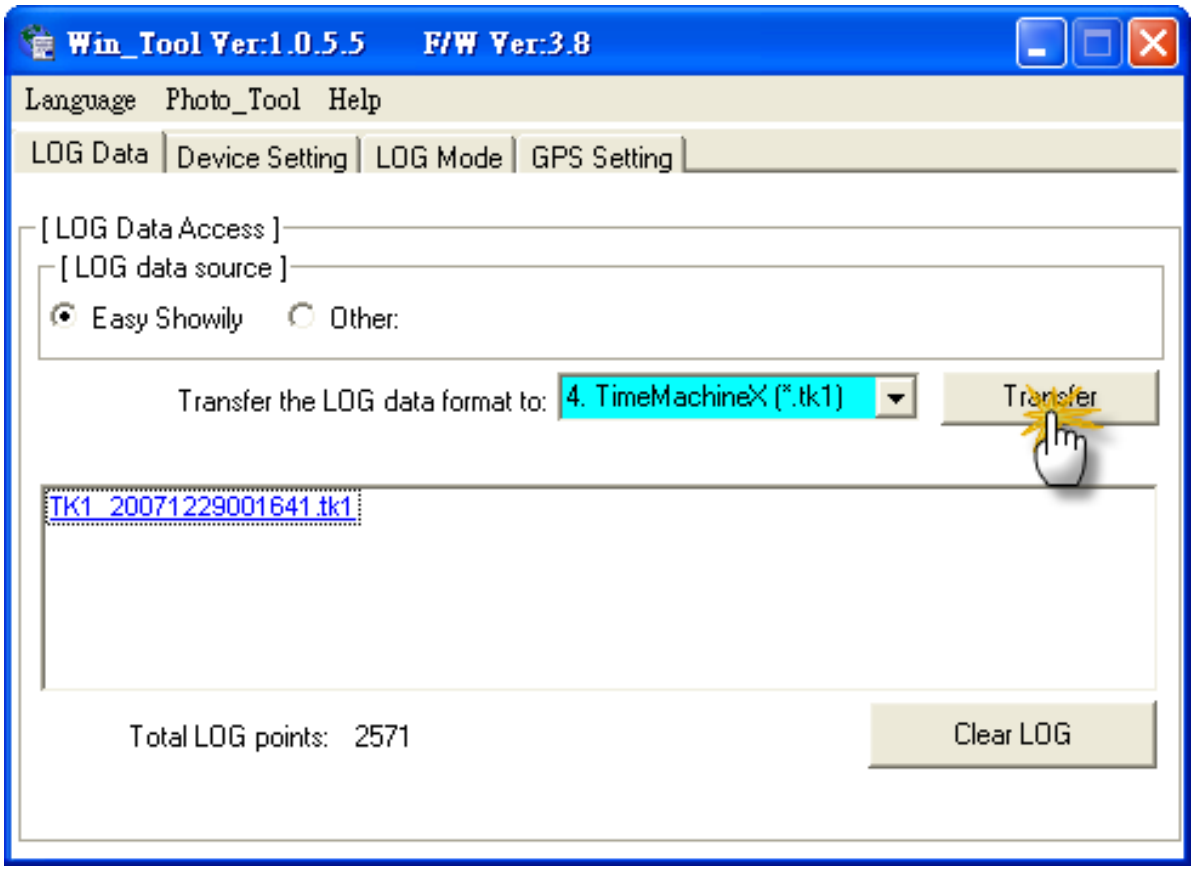
1. Download and install TimeMachineX：

Please download the TimeMachineX from Wintec website (www.wintec.com.tw) Support/GPS Application/WPL-1000, and then install it.

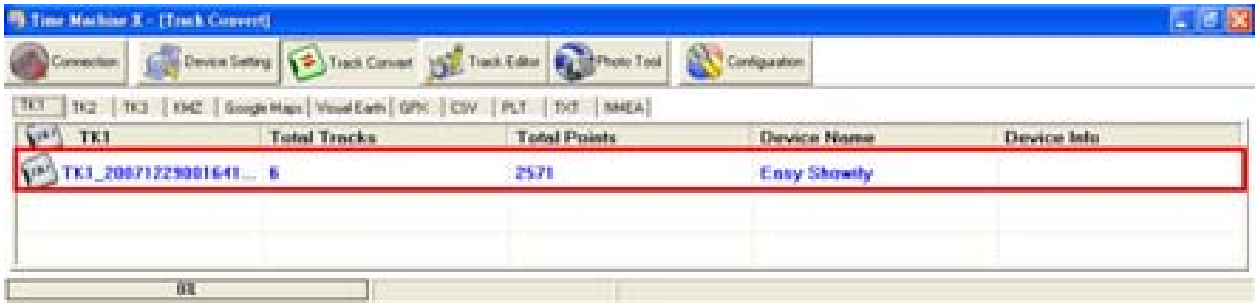
2. Instruction:

2.1 Plug in the Easy Showily to PC, and execute Win_Tool.

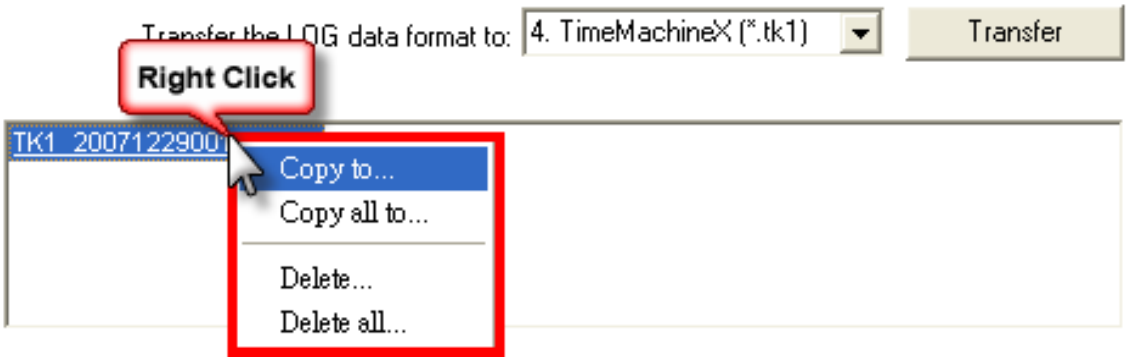
2.2 Convert the log data to TimeMachineX format（*.tk1）



2.3 Execute TimeMachineX and switch to “Track Convert” page. The tk1 file should be shown up in the TK1 list.

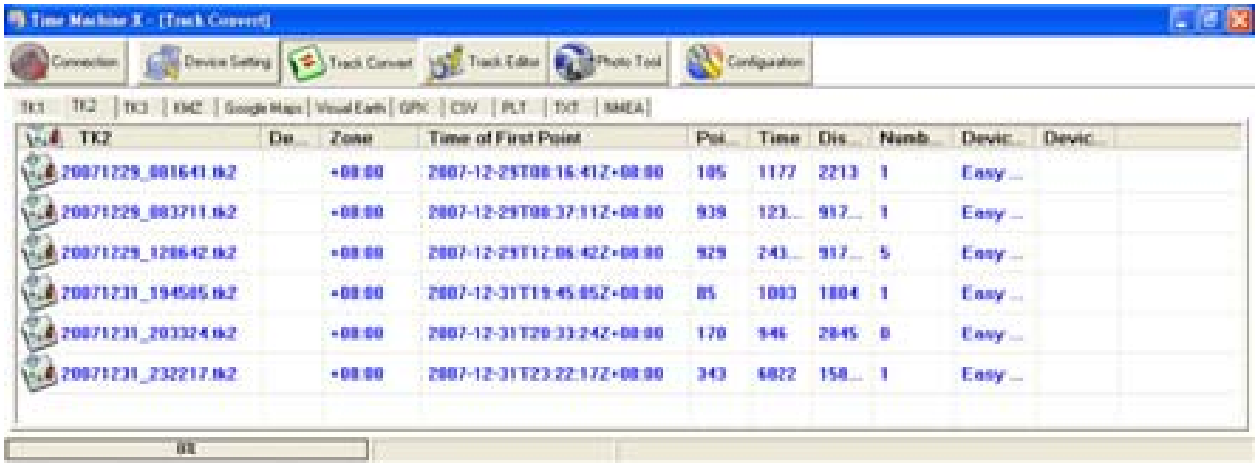


NOTE: If that tk1 file doesn’t show up in the TK1 list, please close TimeMachineX and repeat step 2.2 or manually copy the tk1 file to the TK1 folder under the TimeMachineX installation path (ex: C:\Program Files\Time Machine X\TK1\）



3. TK1 trajectory file convert

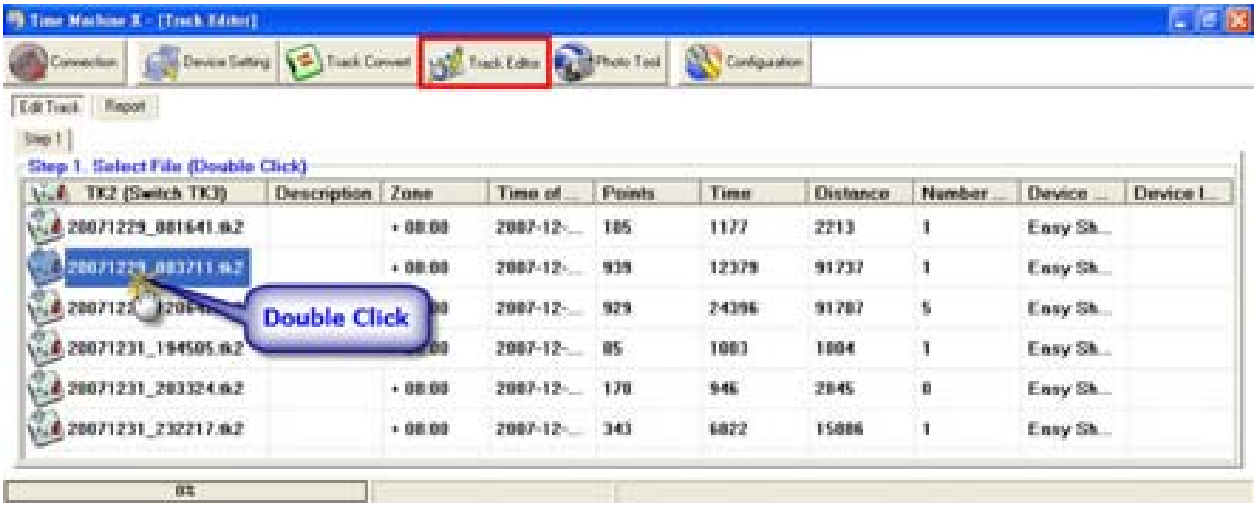
3.1 Select a tk1 file and use the right key function to convert to TK2 format. (TK2 will separates all tracks, one track one file.)

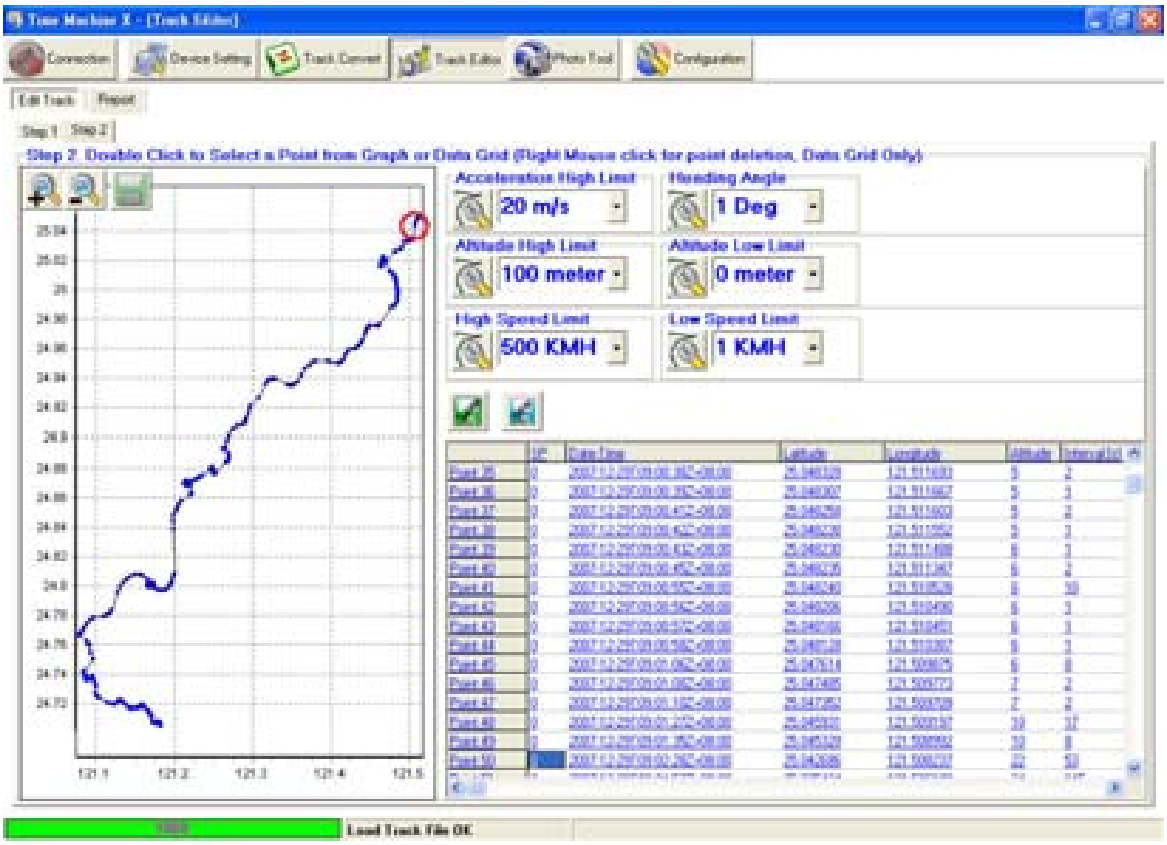


4. Track Editor

4.1 Convert the tk1 file to tk2 format first.

4.2 Change to “Track Editor” page, enter “Edit Track” tab and select a TK2 file you want to edit.





: save the TK2 file. 

: Save as a new TK2 file.

5. Report Function

＊Please refer to the Q&A of TimeMachineX regarding the detailed instruction.

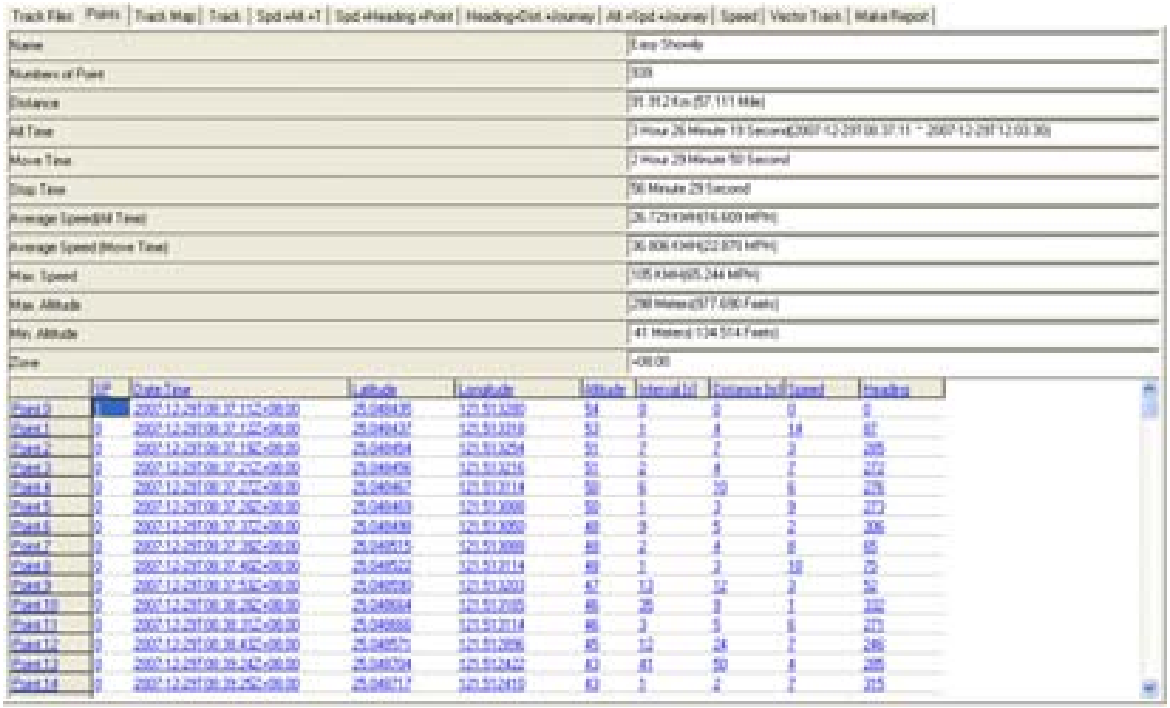
5.1 Please covert the track to TK2 format first.

5.2 Switch to “Track Editor” page, enter “Report” subpage, choose “Track Files” tab and select a TK2 file you want to edit.

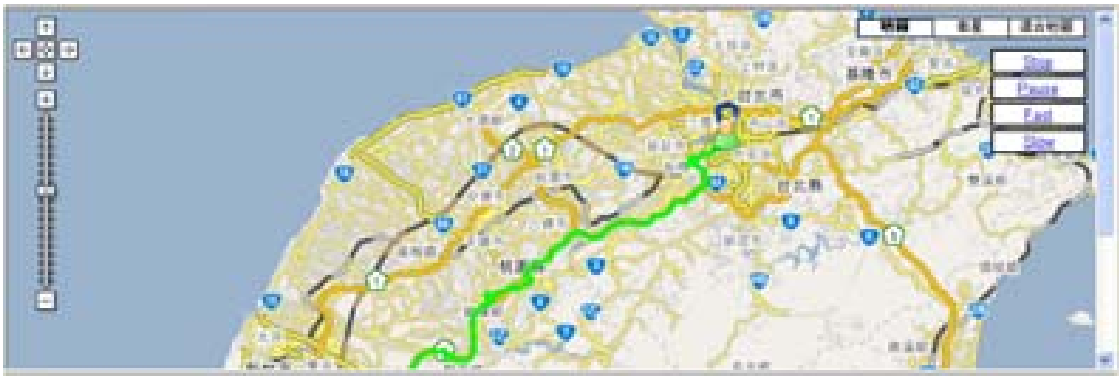
5.3 Preview the report:

In each chart tab, please tick if you want to add Introduction, Chart or Comment to the report.

5.3.1 Track Information

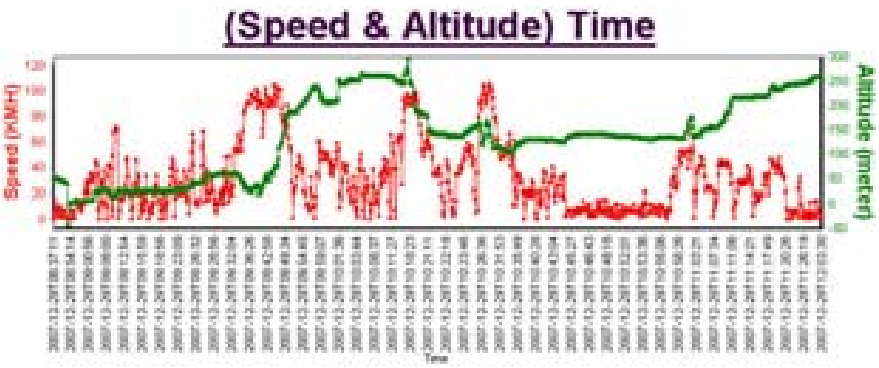


5.3.2 Track Map:

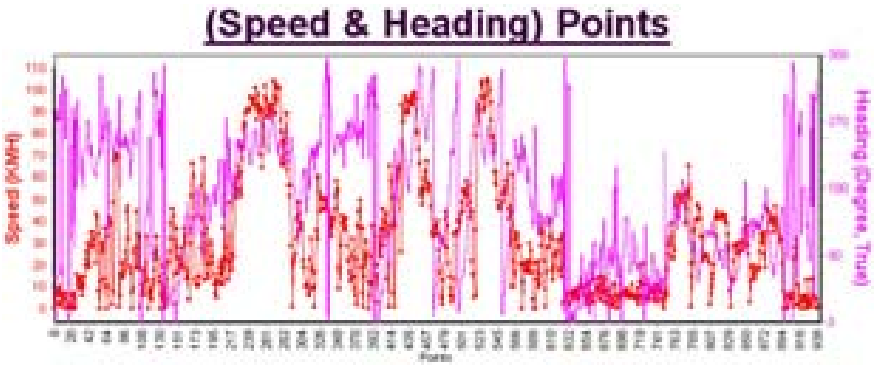


5.3.3 Track:

5.3.4 The chart for Speed, Altitude and Time:

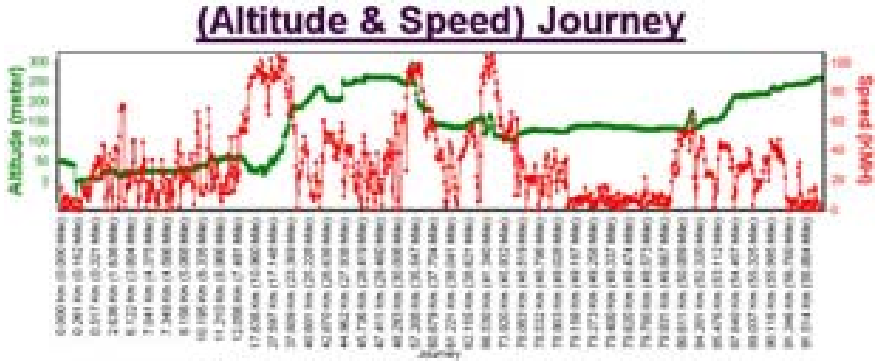


5.3.5 The chart for Speed, Heading and Points



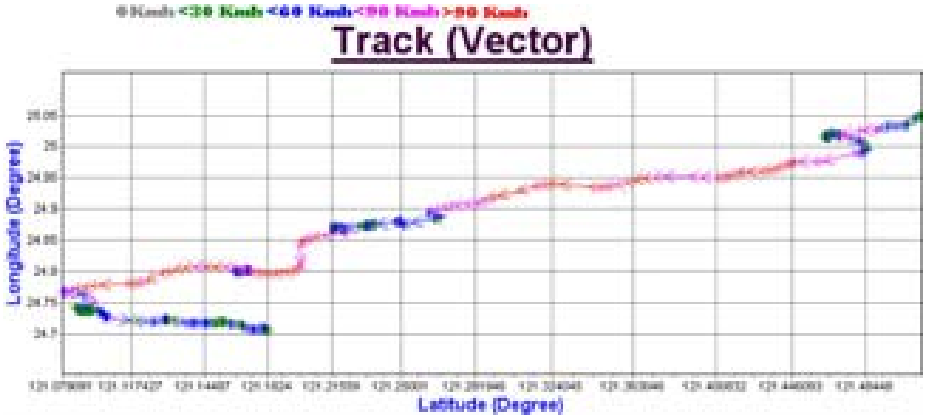
5.3.6 The chart for Heading, Distance and Journey:

5.3.7 The chart for Altitude, Speed and Journey:

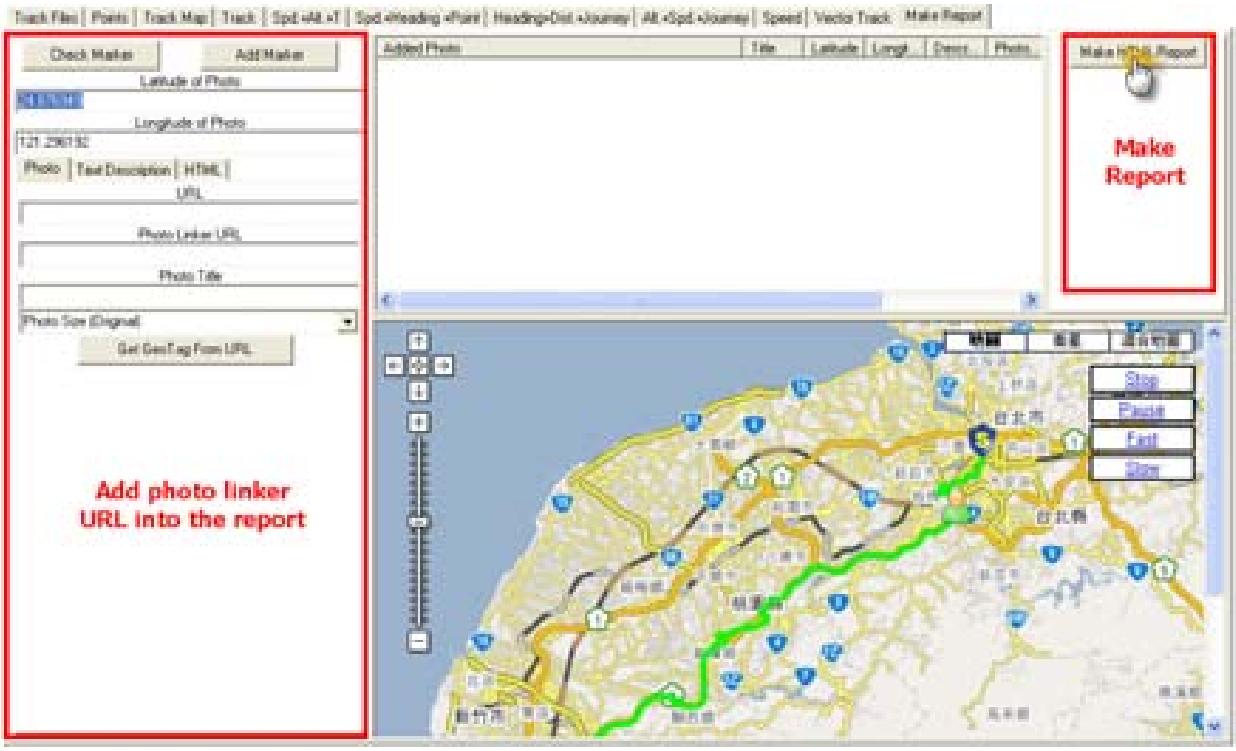


5.3.8 The pie chart for Speed:

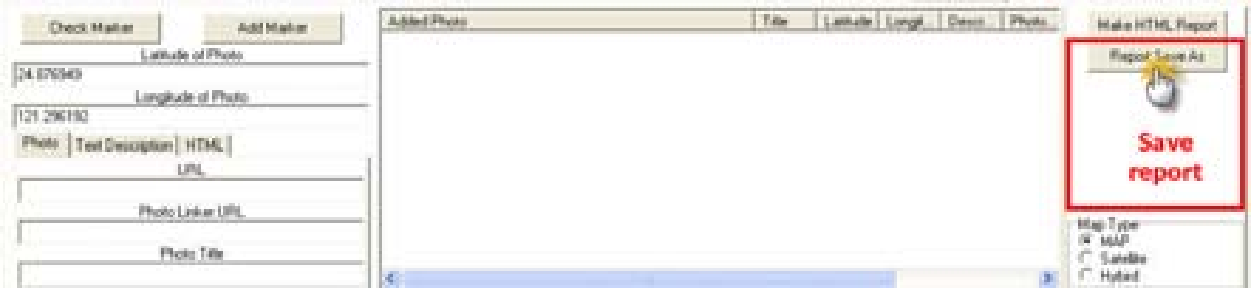
5.3.9 The vectorial picture of Track:



5.3.10 Create and save a report: you can create a report including photo link URL and save it. (Please refer to the Q&A of TimeMachineX regarding detailed instruction)



You can save the report by pressing “Report Save As” button.

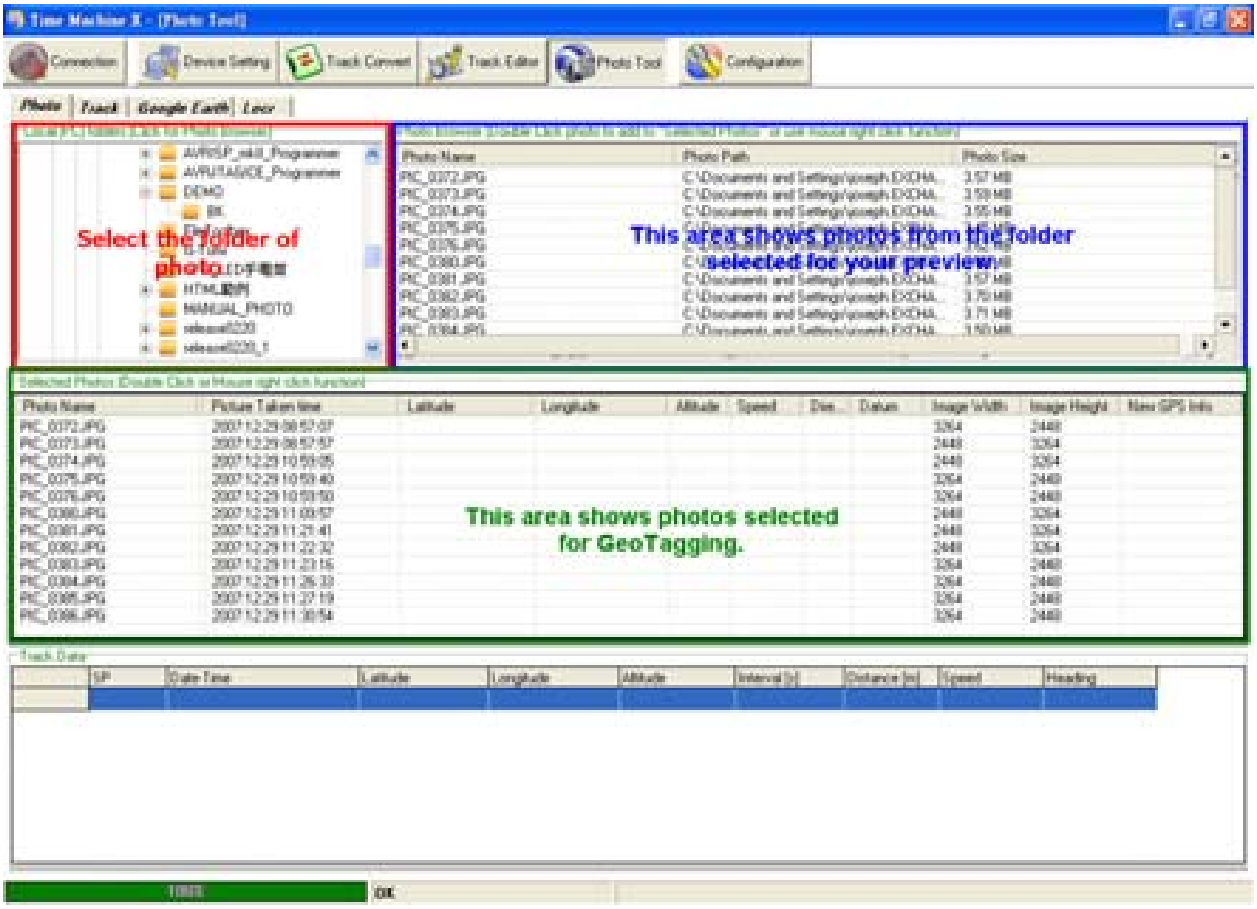


6. Geotagging for JPEG photos:

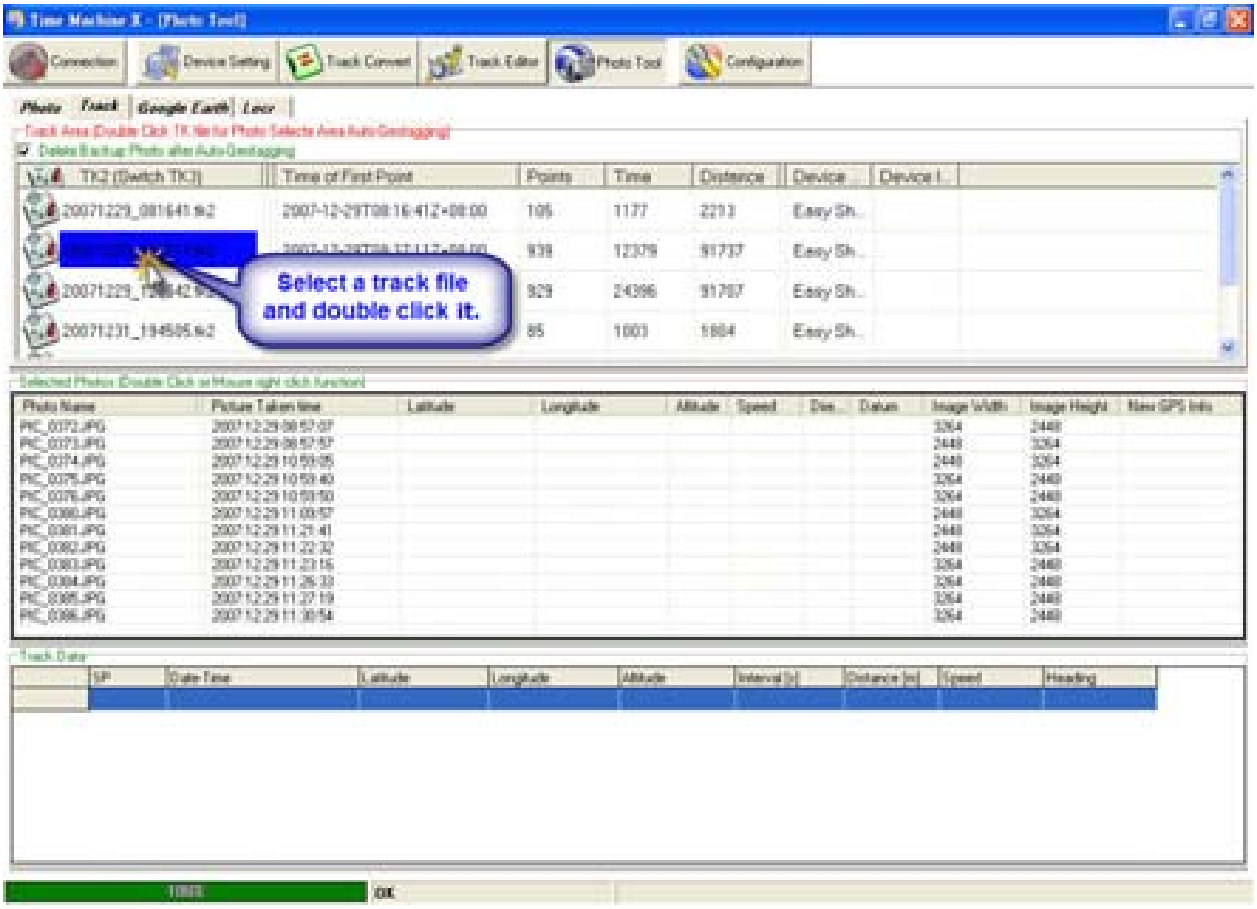
＊ Please refer to the Q&A of TimeMachineX regarding detailed instruction.

6.1 Please convert the track to TK2 format first.

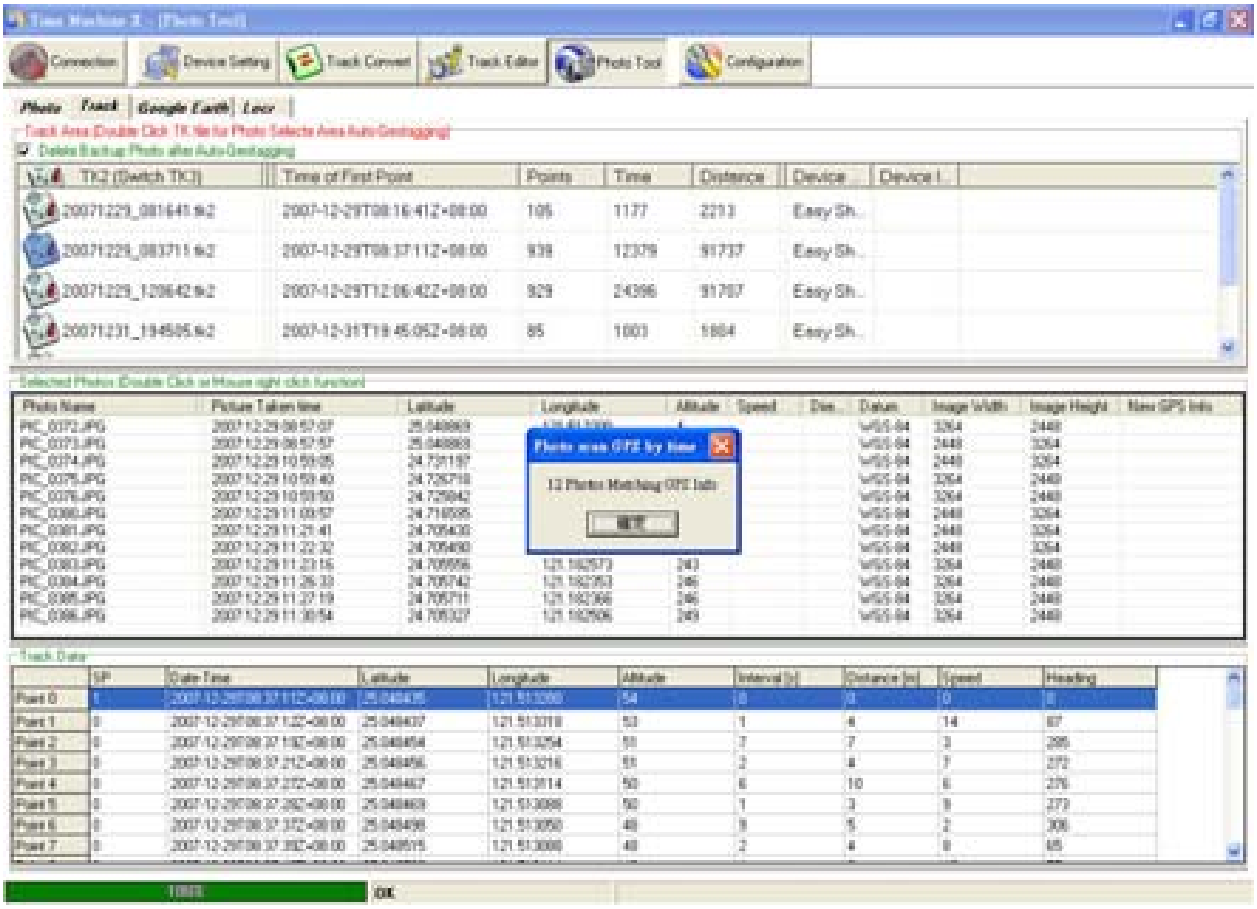
6.2 Switch to “Photo Tool” page, enter “Photo” tab and select the folder (photos) for Geotagging.



6.3 Switch to “Photo Tool” page, enter “Track” tab and select a TK2 track for Geotagging.



6.4 After selecting a track file (TK2), TimeMachineX will start to Geptag according to time automatically.

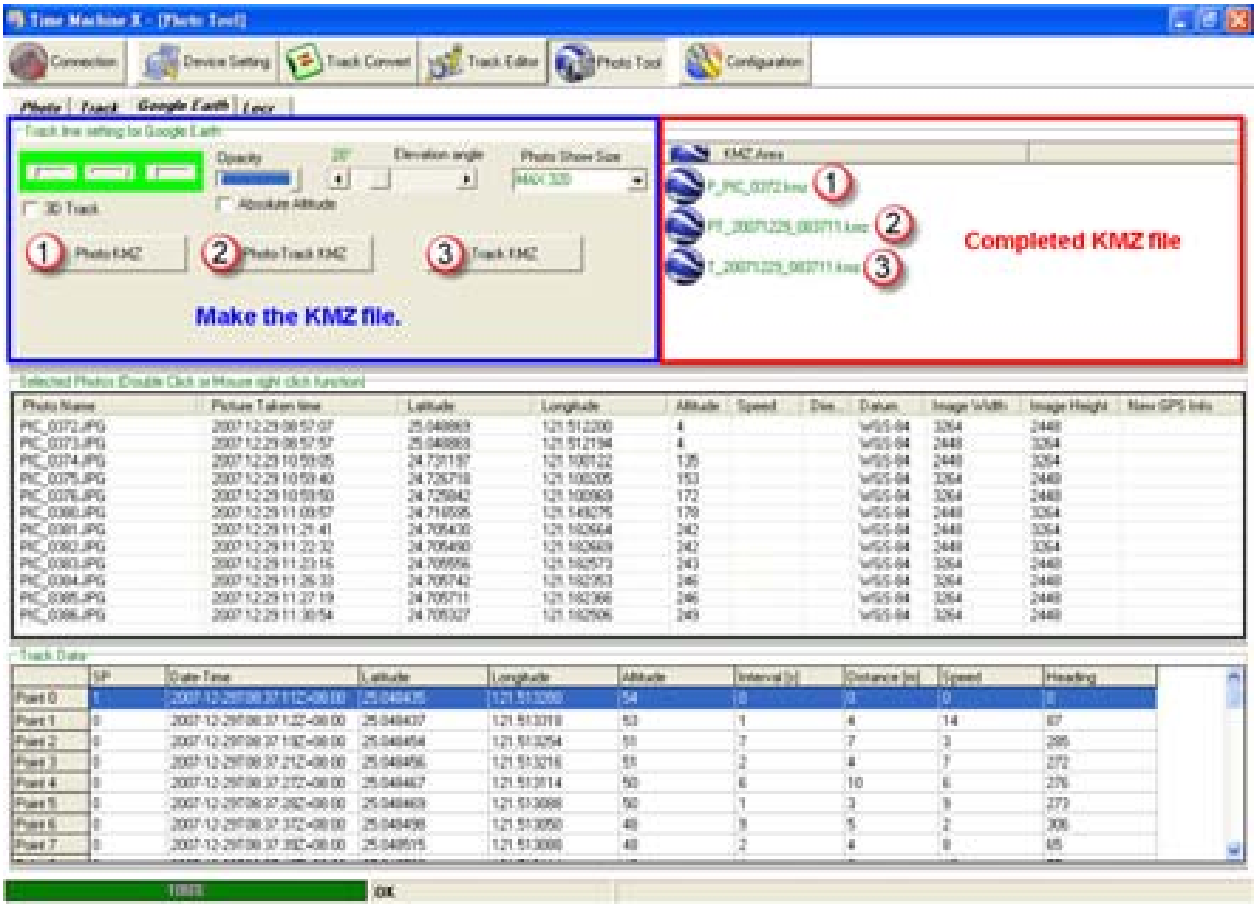


6.5 Convert the track including Geotagged photos to Google Earth format.

6.5.1 Press the “Photo KMZ” button to create a KMZ file including photos only.

6.5.2 Press the “Photo-Track KMZ” button to create a KMZ file including photos and a track.

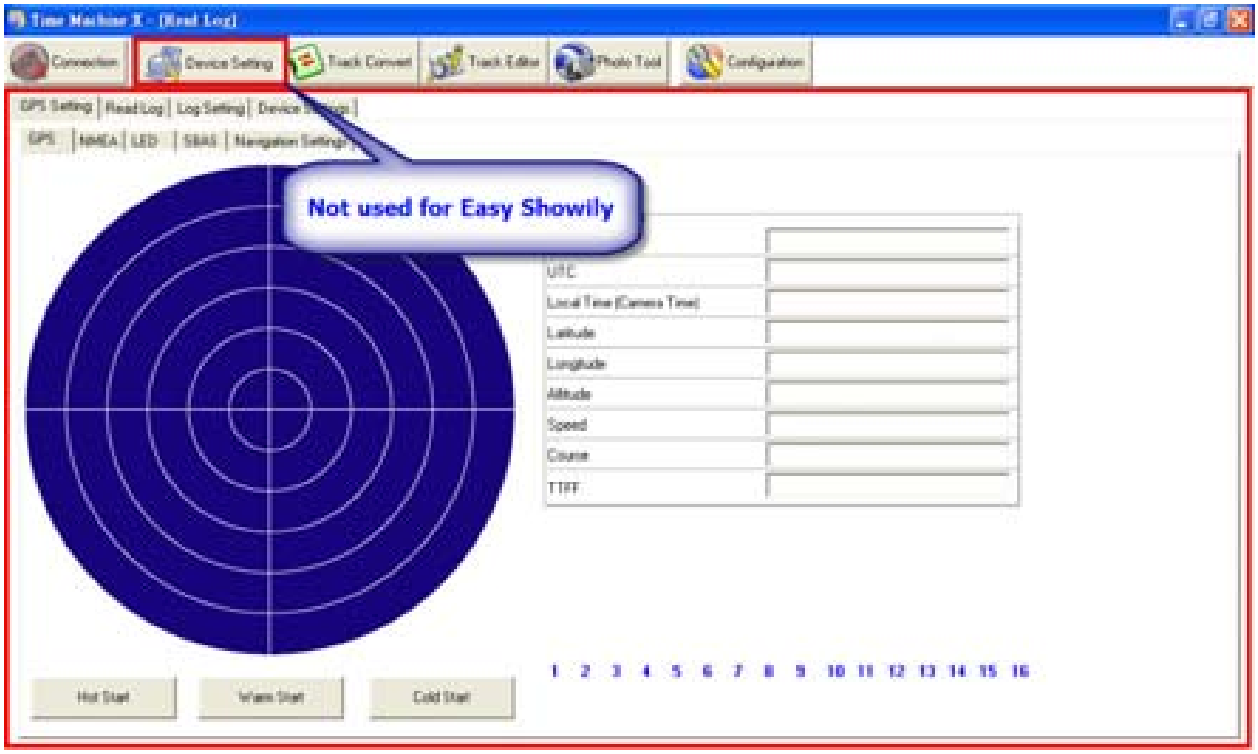
6.5.3 Press the “Track KMZ” button to create a KMZ file including a track only.



7. Notes

7.1 The detailed instruction of TimeMachineX please refer to the Q&A of TimeMachineX.

7.2 All functions of “Device Setting” page of TimeMachineX is NOT able to use by Easy Showily.



Part 8 Trouble shooting

- If the vehicle enters the tunnel. The GPS signal transmits linearly down to earth and its signal is blocked out in this situation.
- GPS satellite coverage gets poor because of high-rise building or thick forest. Even though Easy Showily can receive reflected weak GPS signal, the data might be less accurate.
- The sun shade in the vehicle can partially block out GPS signal and effect good reception. The GPS satellite is under control of USA and the accuracy might vary depending on some special purpose (especially when manipulated by USA).
- After successful positioning of Easy Showily, if it is moved to another area of 500 km away it cannot be easily re-positioned. This is because the firstly recorded data (position, time and number of satellites acquisitioned) is different from the new area. It will need longer time for re-positioning.
- When the low battery icon is showed, the battery is critically low and please replaces new batteries; otherwise the GPS will stop to work or lower the performance.
- Avoid placing 2 GPS devices too close during positioning.
- When the Auto-Run function is not working, please refer to MSDN-Enabling And Disabling AutoRun:

http://msdn2.microsoft.com/en-us/library/Aa969329.aspx

Easy Showily

使用者説明書

目錄

第一章 產品資訊

■ 外觀說明

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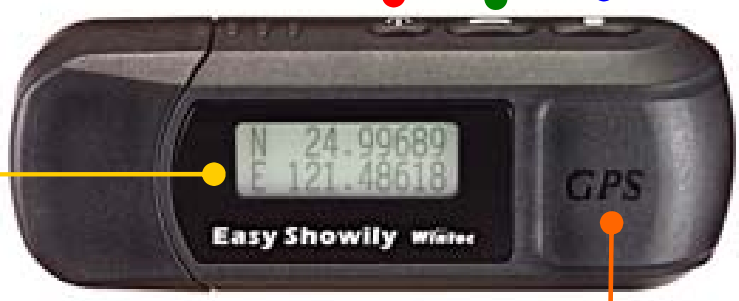
長按：
1. 開關機
短按：
1. 主模式：切換顯示資訊
2. 設定模式：確認設定並回到主模式

功能鍵:
長按：
1. 主模式：進入設定模式
短按：
1. 主模式：歸零累計里程與時程
2. 設定模式：確認設定並切換設定項



LCD:
1. 主模式：顯示資訊
2. 設定模式：顯示設定項目

軌跡鍵:
長按：
1. 主模式：軌跡分段
短按：
1. 主模式：標示特殊點
2. 設定模式：切換設定選擇項

GPS 天線位置

第二章 產品特色

Easy Showily自動軌跡顯示記錄器(以下簡稱Easy Showily);內建GPS衛星接收天線，GPS衛星接收核心採用最先進的歐洲知名u-blox超高感度定位引擎ATR0625，Easy Showily具備猶如黑盒子般的紀錄功能，用來記錄你所行走的軌跡，您可以隨時讀取所記錄下來的資料（時間、地點）。藉由USB隨插即用介面與電腦設備連結，內建非揮發記憶體儲存衛星資料，如衛星訊號狀態、上次使用的最後的位置及時間。其可同時追蹤16顆定位衛星的訊號；Easy Showily由2顆3A鹼性電池供電，不需充電且耗電量極低，您可以連續使用超過15個小時(每秒記錄一點)，若啟用Shake省電模式使用時間將可更長。

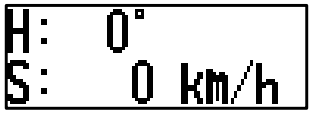
- 使用最先進的GPS衛星定位核心(u-blox超高感度定位引擎ATR0625)。
- 快速定位及追蹤16顆衛星的能力。
- 高追蹤衛星靈敏度：-158 dBm
- 內建SBAS解調器，不需額外硬體即可接收SBAS信號。
- 軌跡記錄功能，像一個黑盒子般記錄位置、日期與時間，只需供給它電源即可。
- 內建軌跡讀取與設定Easy Showily的工具程式（Win_Tool），讓使用者能輕易的與Easy Showily溝通。
- USB隨插即用，不需安裝任何驅動程式或軟體。
- 系統需求：Windows XP® 或 Vista®。
- 建議搭配使用Internet Explorer 瀏覽器。

第三章 注意事項

- 全球衛星定位系統(Global Positioning System; GPS) 由美國政府所提供，有時因某種因素降低其精準度（如在戰時或刻意封鎖某一區域時），在這種情況下，美國政府單位所做的任何變動都可能影響GPS 設備的精準度與性能。
- 為了您的行車安全，我們強烈建議您不要於駕駛中同時操作本裝置。
- 如果您位於建築物內，隧道或周邊有高大地形地物阻擋時，可能會影響GPS 衛星訊號接收，此時並非表示本裝置故障。
- 不得任意更換或改裝機械結構及零件以免失去合法免執使用權。
- 不得在飛機飛行中或炸礦遙控等敏感較高地區使用。
- 避免放置於高溫及高濕度地方太久。
- 如果發現本機異味或煙霧時請立刻關機並送服務站。
- 初次使用或久未使用時請先將Easy Showily開機後將其靜置於收訊良好處約10～15分鐘，使其先行接收定位時所需之星曆資料；如此於正式使用時可獲得較迅速且較佳的定位品質。

第四章 使用說明

- 標準包裝：
  - Easy Showily(自動軌跡顯示記錄器)
  - 鹼性AAA電池*2
  - USB 延長線(15公分)*1
  - 使用說明書
- Easy Showily的操作：
  - 當產品關機時，長按電源鍵即可開機，產品開機後，LCD進入主畫面（主模式），表示GPS啟動並自動進入定位狀態。



  - 在開機後若長按電源鍵，則表示將Easy Showily關機。
  - 主畫面右上方出現FIX字樣表示GPS已經定位成功，若無則表示未定位成功。

  - 在主模式下，短按軌跡鍵(主畫面右上方出現PUSH字樣)可立即記錄軌跡點，並標示於軌跡內。

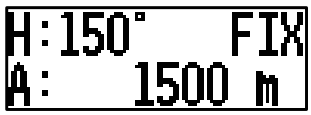
  - 在主模式下，長按軌跡鍵(主畫面右上方出現NEW字樣)則可開始另一條新的軌跡記錄。

  - 當主畫面右下方出現空電池圖示表示電壓不足，請儘速更換電池以免GPS降低定位效能、停止運作或影響記錄資料之準確性。

➢ 在主模式下，短按電源鍵可切換不同資訊之主畫面：

1. 顯示艏向與速度（GPS定位成功時）：

短按功能鍵可切換為顯示艏向與高度。



2. 顯示目前累積之里程數：

3. 顯示目前累積之時程：

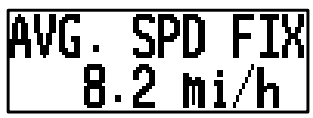
短按功能鍵可切換顯示總累積時間，移動累積時間或靜止累積時間。

總累積時間

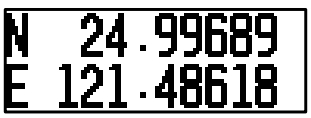
移動累積時間

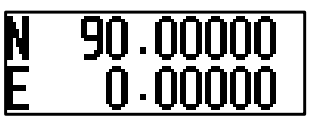
靜止累積時間

4. 顯示目前軌跡之平均速度：



5. 顯示目前之經緯度（GPS定位時）或最後定位點之經緯度（GPS未定位時）：





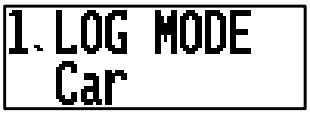
（初次使用或cold start後尚未定位成功時）

6. 顯示目前之地區時間：(時區可由使用者自訂)

（初次使用或cold start後尚未定位成功時）

- 在主模式下，長按功能鍵，則會進入設定模式；LCD將會秀出設定畫面。

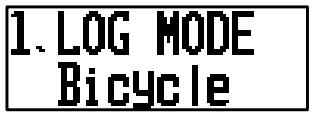
- 在設定模式下，短按電源鍵或未再進行任何操作15秒後，將回復至主模式（LCD秀主畫面）。
- 在設定模式下，短按功能鍵可切換不同之設定項。在設定模式下，切換不同之設定項時，出現之值即為該設定項當前之值。



- 在設定模式下，短按軌跡鍵可切換當前設定項之值。當設定值變更後，離開設定模式或切換至其他設定項，即表示選定該設定值。

1. 軌跡記錄模式設定：

步行模式、自行車模式、汽車模式、使用者自訂模式。



2. Shake省電功能：

3. 顯示軌跡記錄容量：

- 在主模式下，於主畫面二（顯示目前軌跡累積之里程數）短按功能鍵會出現詢問是否將目前累積之里程數與時程歸零之選項，此時再次短按功能鍵則將目前累積之里程數與時程同時歸零。若不欲將里程數與時程歸零則短按電源鍵切換資訊主畫面或靜待5秒後，詢問選項將自動取消。

- 倘若啟用Shake省電功能（Shake Mode），產品會在靜止5分鐘(出廠預設值，時間亦可自行設定)後自動關機，直到移動裝置時，裝置將自動開機並進行GPS定位與記錄軌跡；倘若未啟用此則不會自動開關機。啟用Shake省電模式時，若使用手動關機，此模式將同時關閉。

■ 使用USB介面處理軌跡與設定：

- 將Easy Showily關機。
- 將Easy Showily連接到您的電腦之USB埠。
- 內建的工具軟體（Win_Tool）將自動執行；自動下載軌跡並轉換成Google Maps格式。
- 您亦可透過該將工具軟體軌跡轉換成其他格式以搭配其他

  軟體或設定Easy Showily功能。

■ 更換電池：

- 將Easy Showily關機。
- 取下USB保護蓋。
- 取下電池蓋。
- 更換新電池（AAA 1.5v電池*2；建議使用鹼性電池）。
- 確認電池安裝無誤。
- 裝回電池蓋。
- 蓋回USB保護蓋。

注意：長時間不使用Easy Showily時請移除電池，以免電池液

洩漏而導致機體損壞。

第五章　操作特性

- 供電後Easy Showily會自行啟動並自我測試完成後，Easy Showily之LCD會進入主畫面，表示GPS啟動，同時GPS進入自動定位模式隨即開始接收衛星訊號，並自動進行定位追蹤。正常在天空無遮蔽狀況下，定位約需34秒鐘。(如果內部記憶中的位置推算資料仍有效，則只需3～33秒鐘。) 定位後，將依據使用者所選擇之記錄模式開始記錄軌跡。
- 當首次使用本產品時，將Easy Showily放置於衛星訊號良好的環境中，大約13 分鐘內（理論值12.5分鐘）即可收到或更新完整的星歷資料（ALMANAC）。若有任何收訊不良情形，請先參考疑難排解，通常問題可以迎刃而解。
- Easy Showily利用內部儲存的初始資料，包含前次儲存的位置、日期/時間及衛星軌道資料，推算出目前天空所在的衛星分佈並加以追蹤鎖定，以達到最佳的接收效果。如果內部儲存的初始化資料不正確，或衛星軌道資料已被清除，則需要較長的時間才能定位。但當下列狀況出現時，Easy Showily會採用較長時間的冷開機模式：
  - 超過3個月未使用(星歷資料過舊)。
  - 與上次有效位置超過500公里。
- Easy Showily定位後，若有啟動記錄功能，則會自動開始記錄，記錄的功能與資料如下：
  - 最多可紀錄94000筆資料。
  - 採循環式記錄。
  - 單機無須其他裝置即可使用。
  - 記錄資料可透過裝置內建的工具軟體（Win_Tool）來讀取轉換輸出格式。
  - 記錄資料如下：

    1.經度

    2.緯度

3. 高度
4. 年、月、日、時、分、秒（UTC時間）
5. 特殊點標示

- 產品開機後，如果衛星定位成功，便開始自動記錄軌跡於產品內，您可以透過內建的工具軟體或於Easy Showily上進行記錄模式之設定變更。本產品採圓盤式紀錄，當資料量超過94000筆，即刪除一部份最舊的軌跡資料，使所記錄的軌跡持續維持在最新的狀態。
- Easy Showily電池使用時間可能會依據使用情況，環境及電池種類而有所不同。
- 使用時請盡量讓GPS天線正面朝向天空，以維持良好收訊品質。
- 使用Shake省電功能時請保持機身為水平放置，以維持震動感測器之靈敏度。
- 更換電池時請注意需同時更換兩顆新電池以免降低效率及大幅縮短使用時間。
- 低電量警示時，Shake功能將自動關閉以免影響震動感測器之靈敏度而造成誤動作；若於更換新電池後仍須使用Shake功能請重新啟用該功能。

第六章　存取工具軟體

1、　將裝置直接插入電腦端之USB埠，內建存取程式將自動執行，接著請按下”確認”按鍵。若程式未自動執行，請至”我的電腦”直接接點擊WIN_TOOL圖示即可執行。

2、 登錄裝置，若未設密碼保護則會直接執行步驟3。

3、 接下來程式將自動讀取軌跡並自動轉成Google Maps格式之軌跡，並自動以瀏覽器開啟。

同時，Win_Tool 會自動最小化並隱藏至畫面右下角。點擊Win_Tool圖示可回復正常操作畫面。


Click Here
上午 11:18


Win_Tool Ver:1.0.5.5 F/W Ver:3.8
Language Photo_Tool Help
軌跡資料 裝置設定 記錄模式 GPS 設定
[LOG 資料處理]
[軌跡檔來源]
Easy Showily 其他:
將軌跡轉換格式爲: 1. Google Maps (*.html)
轉換
Panoramio User number
中國地圖
GM_20071229081641.html
總記錄點數: 2571
清除 LOG

4、 Win_Tool操作說明:

4.0 軌跡檔（*.tes）自動備份功能：

當Win_Tool執行時，將會自動將目前Easy Showily內之軌跡記錄自動產生一備份檔（*.tes）並儲存於預設路徑中。

4.0.1 備份檔（*.tes）儲存路徑：系統槽:\Documents and Settings*使用者名稱*\My Documents\EASY_SHOWILY_LOG_DATA\Easy Showily之裝置名稱(若未設置裝置名稱，預設為：Easy_Showily)\

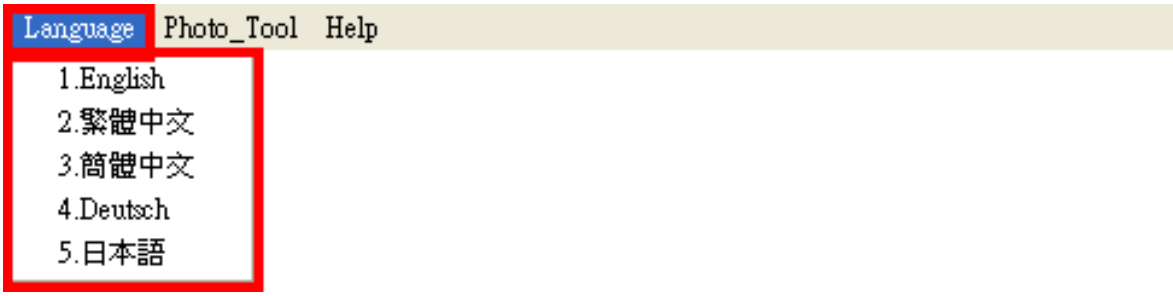
4.0.2 備份檔（*.tes）檔名：

Back_Up_軌跡記錄第一點時間（UTC）.tes

4.1 功能表項目：

4.1.1 Language:

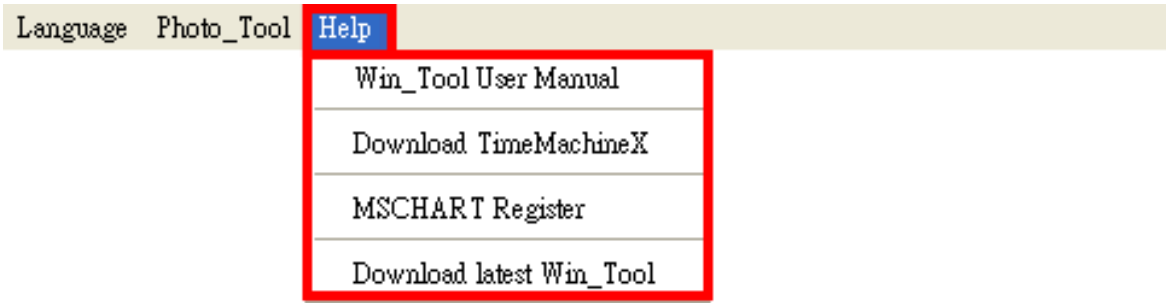
Win_Tool操作語言介面選擇，提供英文、繁體中文、簡體中文、德文及日文操作介面。



4.1.2 Photo_Tool:

點選”Geotagging/Report”項目以開啟JPEG相片定位工具與製作相片地圖及軌跡分析報告頁面；詳見4.6。

4.1.3 Help:



4.1.3.1： Win_Tool User Manual:

可開啟Win_Tool線上使用說明網頁。

4.1.3.2： Download TimeMachineX:

可連結至TimeMachineX下載網頁。

4.1.3.3： MSCHART Register:

若製作報告功能無法正常使用時請點選此項目進行報告插件註冊後即可正常使用製作報告功能。

附註:

1. 執行註冊時登錄電腦之身份需為Administrator,或擁有相同權限之身份。
2. 若為Vista作業系統請先關閉” 使用者帳戶控制(UAC)”後並重新開機方能執行註冊。

4.1.3.4： Download latest Win_Tool:

點選該項目可下載最新版Win_Tool。


Win_Tool Ver:1.0.6.0 F/W Ver:4.0
Language Photo_Tool Help
軌跡資料 裝置設定
Win_Tool User Manual
Download TimeMa
Click Here
MSCHART Register
Download latest Win_Tool
1
[LOG 資料處理]
[軌跡檔來源]
Easy Showily
轉換
Panoramio U
RegSvr32
3
DllRegisterServer 在 MSCHRT20.OCX 成功。
確定
GM_20080917
總記錄點數: 94205
清除 LOG
Register MSCHART, please wait.
2

4.2 軌跡資料分頁：


軌跡資料 裝置設定 記錄模式 GPS 設定
[LOG 資料處理]
[軌跡檔來源]
Easy Showily 其他:
將軌跡轉換格式爲: 1. Google Maps (*.html)
轉換
Panoramio User number
中國地圖
GM_20071229081641.html
總記錄點數: 2571
清除 LOG

4.2.1 清除Easy Showily裝置內所有軌跡記錄：

點擊“清除 LOG”可將裝置內記錄全部清除。

附註:

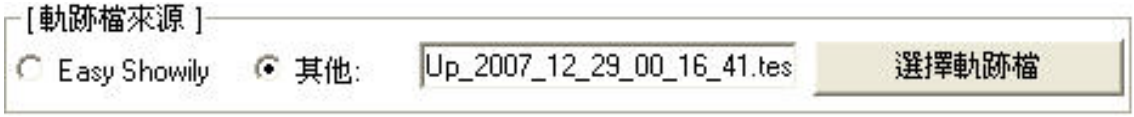
若設定清除所有紀錄時，當下一次裝置開機時需要30秒讓裝置完全清除記錄；此時裝置上的LCD將秀出如下的訊息直到完成清除軌跡記錄。

4.2.2 軌跡記錄轉檔：

Ⅰ.指定軌跡檔來源：

Ⅰ.1 從Easy Showily：（預設）

Ⅰ.2 從其他備份之Easy Showily軌跡檔(*.tes)：



按下”選擇軌跡檔”按鍵以選擇欲採用之軌跡檔。

附註：

1. 總記錄點數所顯示的為目前所指定之軌跡檔所記錄的總記錄點數。

Ⅱ.指定軌跡轉換格式：

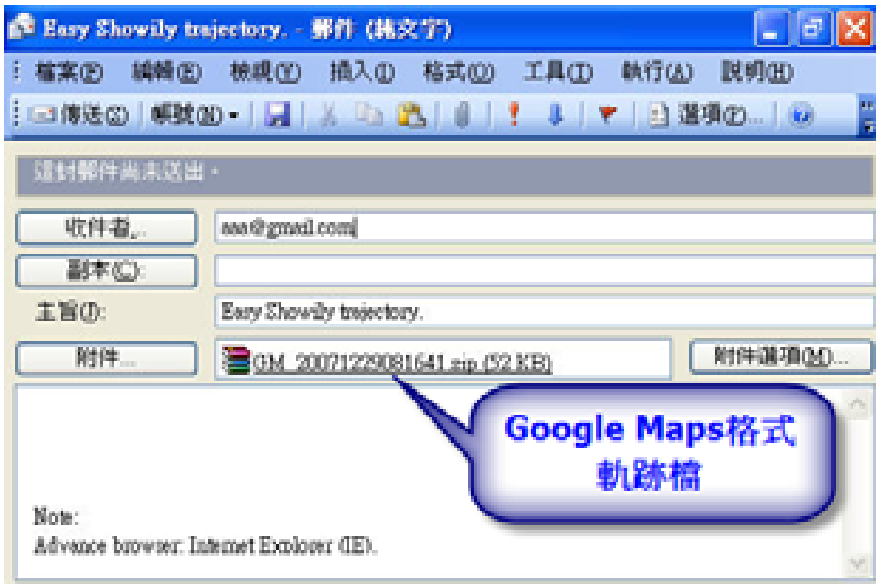
透過下拉式選單選定欲轉檔的格式後，按下”轉換”按鍵開始進行轉檔；在任一轉檔列表欄位中點擊滑鼠右鍵，可開啟複製或刪除轉檔檔案之選單。

Win_Tool提供下列幾種轉檔格式:

Ⅱ.1 Google Maps: 雙擊檔案即可使用瀏覽器開啟執行，建議使用IE瀏覽器；軌跡檔僅轉換成一個檔案且軌跡點時間會依據裝置時區做時間調整。

附註：

1. 可勾選”Panoramio”選項以同時顯示Panoramio相片地圖；詳見4.7。
2. 若軌跡位於中國大陸可勾選” 中國地圖”選項改用中國地圖。
3. 當單一筆軌跡超過10000點時，該筆軌跡將自動以上限10000點分段以確保瀏覽器可完成軌跡之顯示。
4. 分享您的 Google Maps 格式軌跡給朋友。
   4.1 複製它並透過電郵軟體（例如：outlook）傳送給您的朋友。
   4.2 或點選該 Google Maps 軌跡檔後按滑鼠右鍵開啟選單並選擇“Mail to friend”項目寄送給您的朋友。

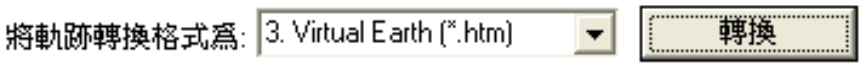


Ⅱ.2 Google Earth: 需先安裝Google Earth軟體（可於Google Earth網站下載）；會依軌跡筆數自動轉換成多個檔案且軌跡點時間會依據裝置時區做時間調整。

附註：

1. 勾選”3D軌跡”選項可在地圖中顯示包含高度之3D軌跡。

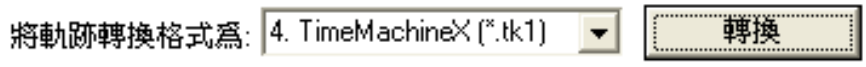
Ⅱ.3 Virtual Earth: 雙擊檔案即可開啟執行，建議使用IE瀏覽器；僅轉換成一個檔案且軌跡點時間會依據裝置時區做時間調整。



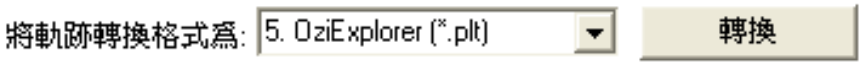
附註：

1. 當單一筆軌跡超過10000點時，該筆軌跡將自動以上限10000點分段以確保瀏覽器可完成軌跡之顯示。

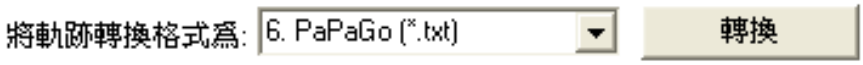
Ⅱ.4 TimeMachineX: 需先安裝TimeMachineX軟體（免費下載）；僅轉換成一個檔案；詳見第七章說明。



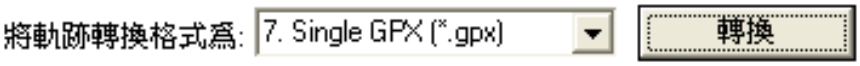
Ⅱ.5 OziExplorer: 需先安裝OziExplorer軟體（另購）；會依軌跡筆數轉換成多個檔案，軌跡點時間為UTC時間。



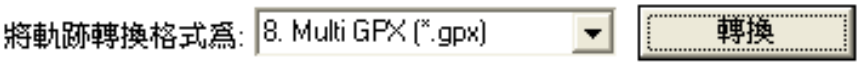
Ⅱ.6 PaPaGO: 需先安裝PaPaGO軟體（另購）或雙擊檔案以記事本開啟；僅轉換成一個檔案且軌跡點時間會依據裝置時區做時間調整。

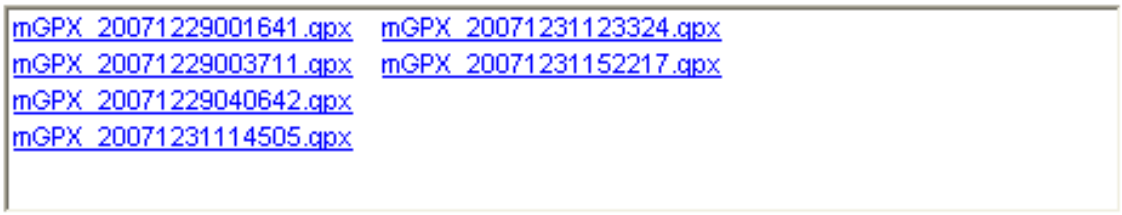


Ⅱ.7 Signal GPX: 可上傳至支援GPX格式之GPS軌跡分享網站或應用於其他軟體；僅轉換成一個檔案，軌跡點時間為UTC時間。

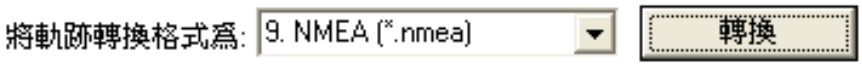


Ⅱ.8 Multi GPX: 可上傳至支援GPX格式之GPS軌跡分享網站或應用於其他軟體；會依軌跡筆數轉換成多個檔案，軌跡點時間為UTC時間。

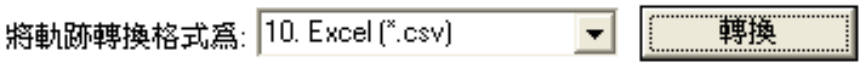




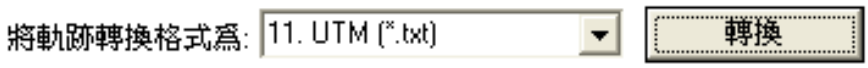
Ⅱ.9 NMEA: 會依軌跡筆數自動轉換成多個檔案並根據軌跡記錄資訊轉換成NMEA格式（僅含GPRMC，GPGGA）。

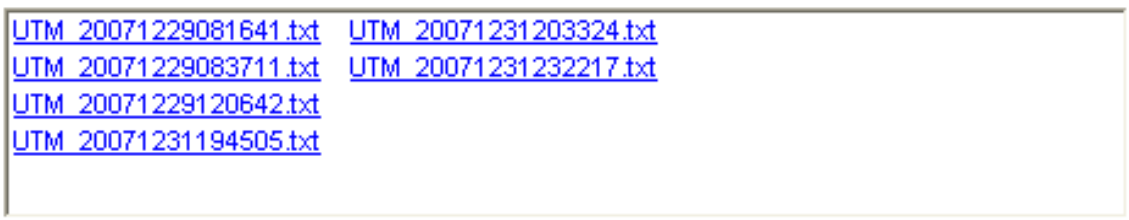


Ⅱ.10 Excel: 會依軌跡筆數自動轉換成多個檔案，且軌跡點時間會依據裝置時區做時間調整。



Ⅱ.11 **世界橫麥卡脫投影座標(UTM)**: 雙擊檔案可以記事本開啟，會依軌跡筆數自動轉換成多個檔案且軌跡點時間會依據裝置時區做時間調整。





Ⅱ.12 TWD67TM2: 雙擊檔案可以記事本開啟，會依軌跡筆數自動轉換成多個檔案。

4.2.3 Win_Tool版本更新：

當Win_Tool偵測到Easy showily上之Win_Tool不是最新版本時，會出現”下載最新版Win_Tool”之按鍵，可直接按下該按鍵下載最新版Win_Tool。

附註:

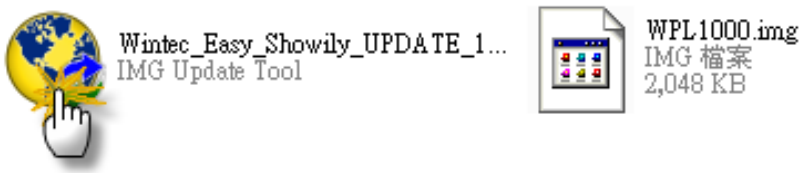
1. 更新後所有的軌跡資料將被清除且所有參數設定都將回復至原廠設定值（包含取消密碼保護）。
2. 更新內容詳見下載之檔案。

I.更新方式：

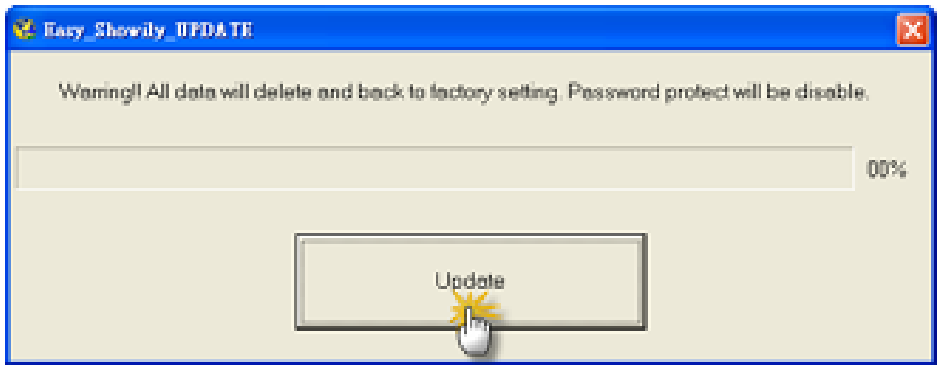
I.1 將下載後之更新檔解壓縮。

I.2 將Easy Showily插入電腦之USB埠，但不需執行Win_Tool。

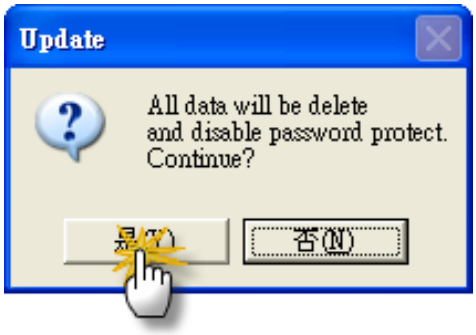
I.3 直接執行更新檔資料夾內之更新工具”Easy_Showily_UPDATE.exe”。



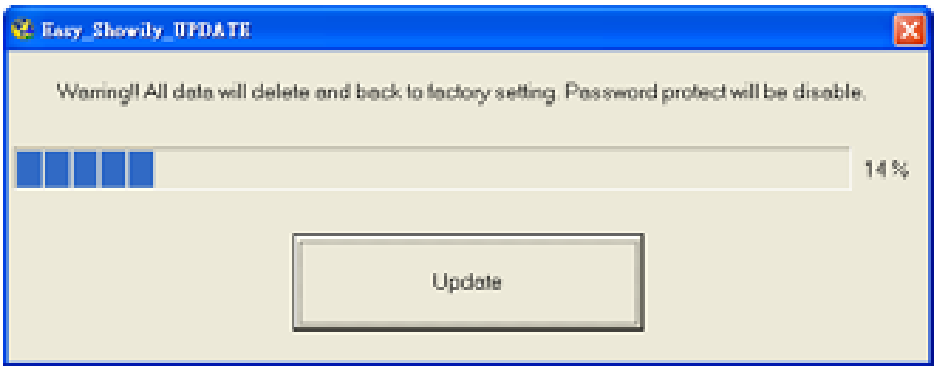
I.4 按下“Update”按鍵。



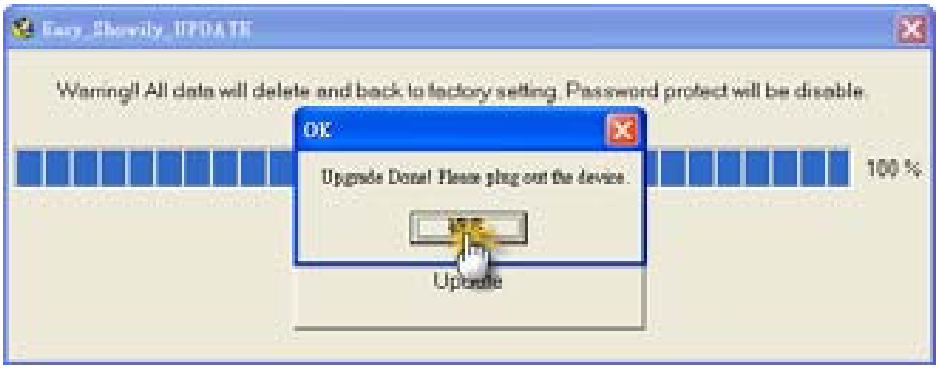
I.5 提醒訊息：更新後所有的軌跡資料將被清除且所有參數設定都將回復至原廠設定值（包含取消密碼保護）；若要繼續更新則按下 “OK”鍵繼續執行，否則請按下“Cancel”終止更新。



I.6 更新進行中



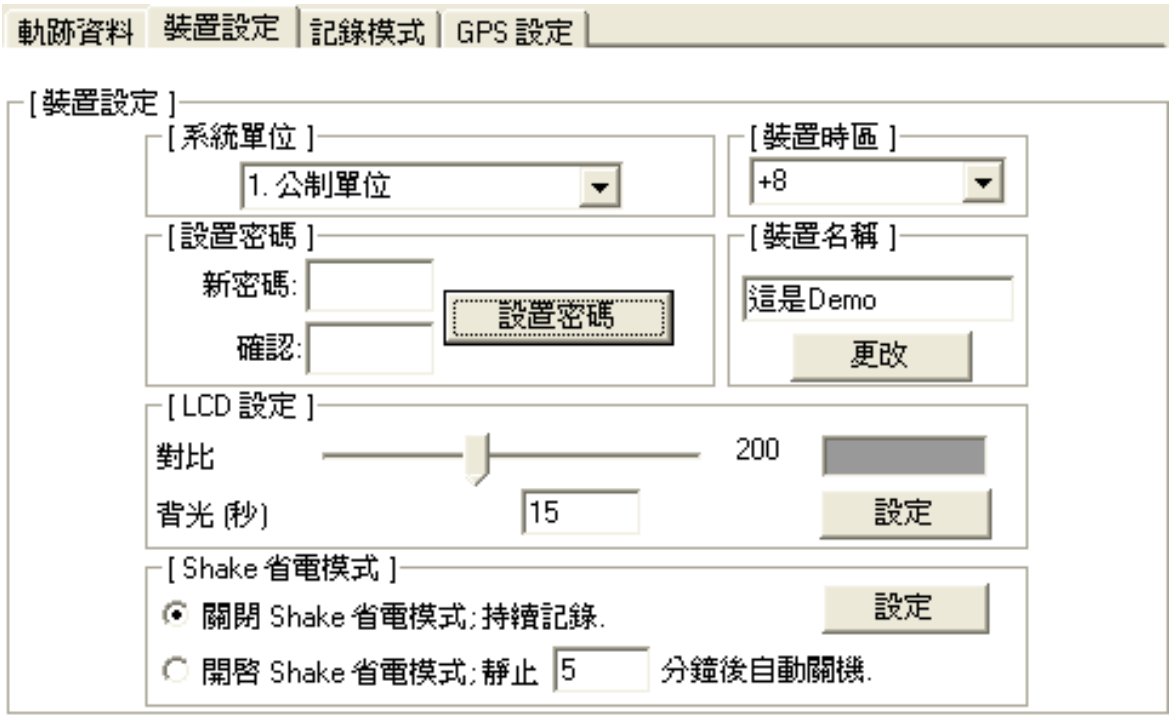
I.7 更新結束請按下“OK”以結束更新工具程式



I.8 從電腦移除 Easy Showily。

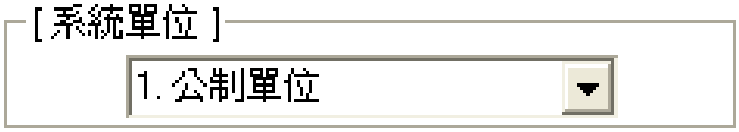
I.9 請將 Easy Showily 開機，此時 LCD 將顯示“Clear LOG data now..”以完成所有的更新程序，約 30 秒後將進入至主畫面；若 LCD 未顯示“Clear LOG data now..”請透過 Win_Tool 進行”Clear LOG”動作；若更新後未完成”Clear LOG”動作，將會造成 Easy Showily 所記錄的軌跡錯誤或動作異常。

4.3 裝置設定分頁：



4.3.1 系統單位：

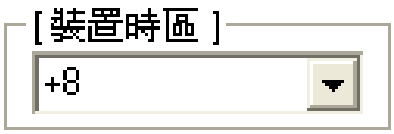
設定裝置所使用的單位；分為公制與英制單位。



4.3.2 裝置時區:

使用者可依據您的需求調整裝置時區。

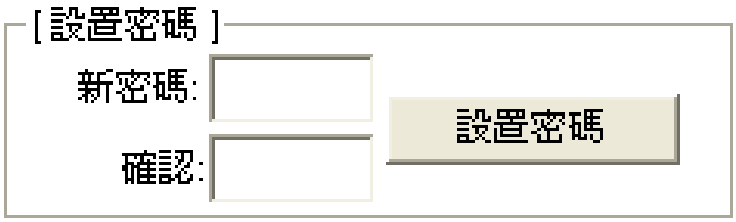
注意：裝置時區值將影響Easy Showily所顯示之地區時間；及轉換軌跡檔為Google Maps, Google Earth, Virtual Earth, PaPaGO, Excel, UTM 格式時之軌跡點時及作JPEG相片定位（Geotagging）時之參考時間。



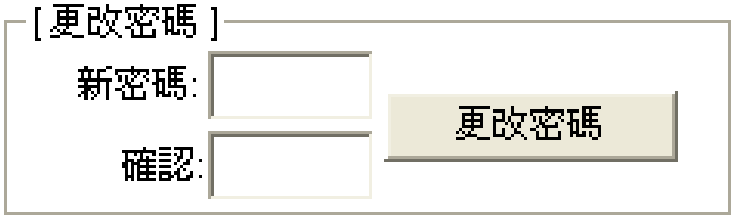
4.3.3 設置或變更密碼：

使用者可設定裝置密碼保護；密碼長度最多為10個英文字母或數字。當要取消密碼保護時，只要將“新密碼”及“確認”欄位清空後再點擊“更改密碼”即可。

未設置密碼時：



已設置密碼時：



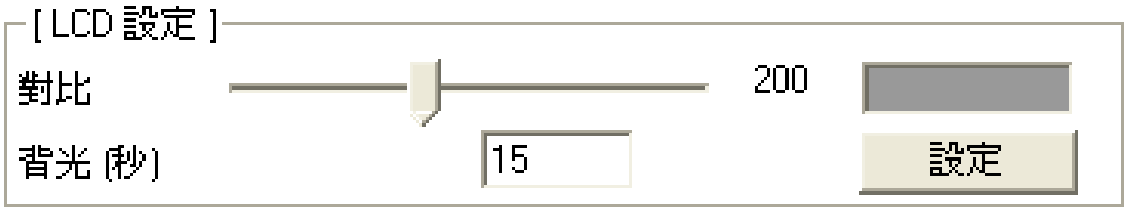
4.3.4 設定裝置名稱：

使用者可自行設定裝置名稱。

4.3.5 設定LCD 對比與背光點亮時間:

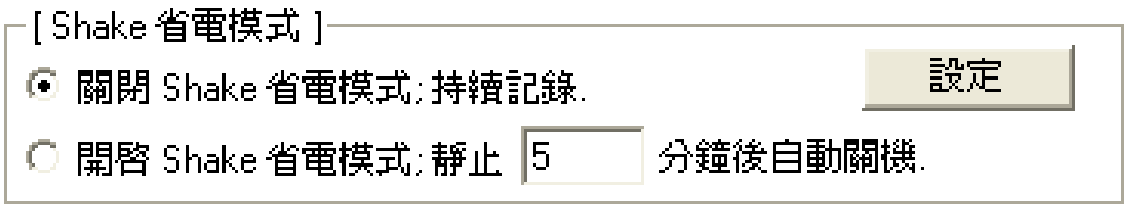
Ⅰ.設定LCD對比： LCD 對比與溫度相關, 溫度越高對比越深，溫度越低對比越淺。參考值: 200 於 25℃ (77℉)。

Ⅱ.設定LCD背光時間：設定LCD背光點亮時間。預設值15秒。



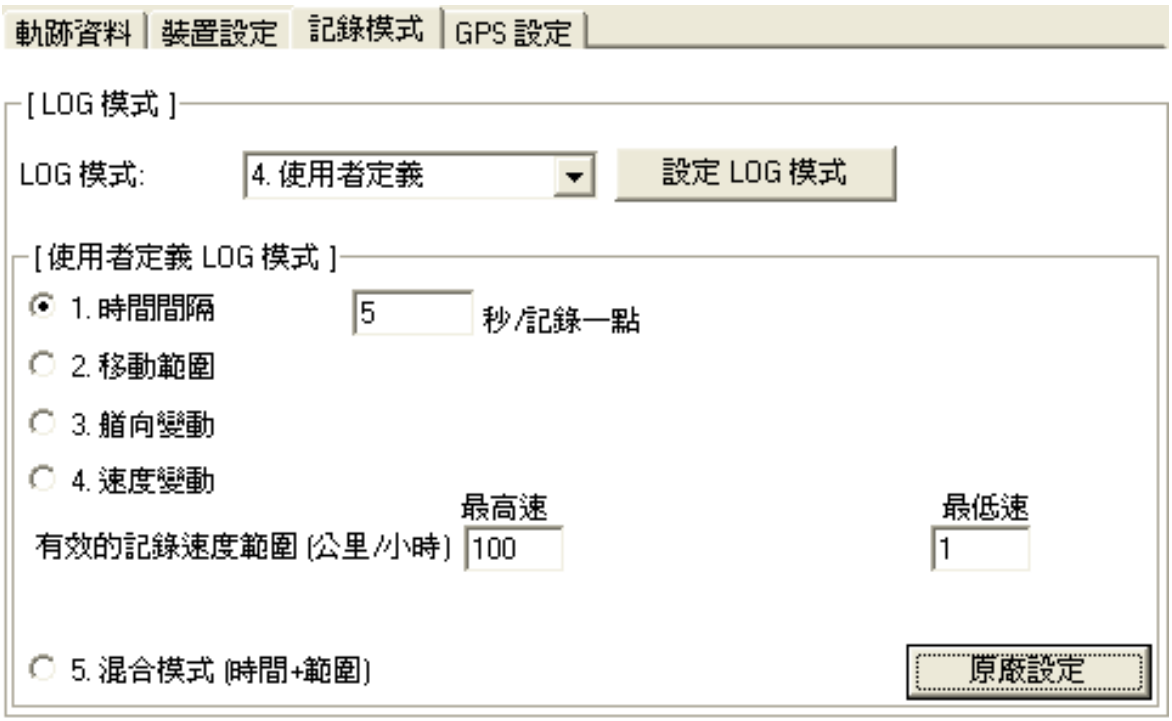
4.3.6 Shake省電模式設定：

啟用Shake省電模式，裝置會在超過5分鐘（預設值）未動作時自動關機，直到裝置被移動才自動開機；以達省電之功能；若關閉此模式，裝置將不會自動開關機。啟用Shake省電模式時，若使用手動關機，此模式將同時關閉。



4.4 記錄模式分頁：

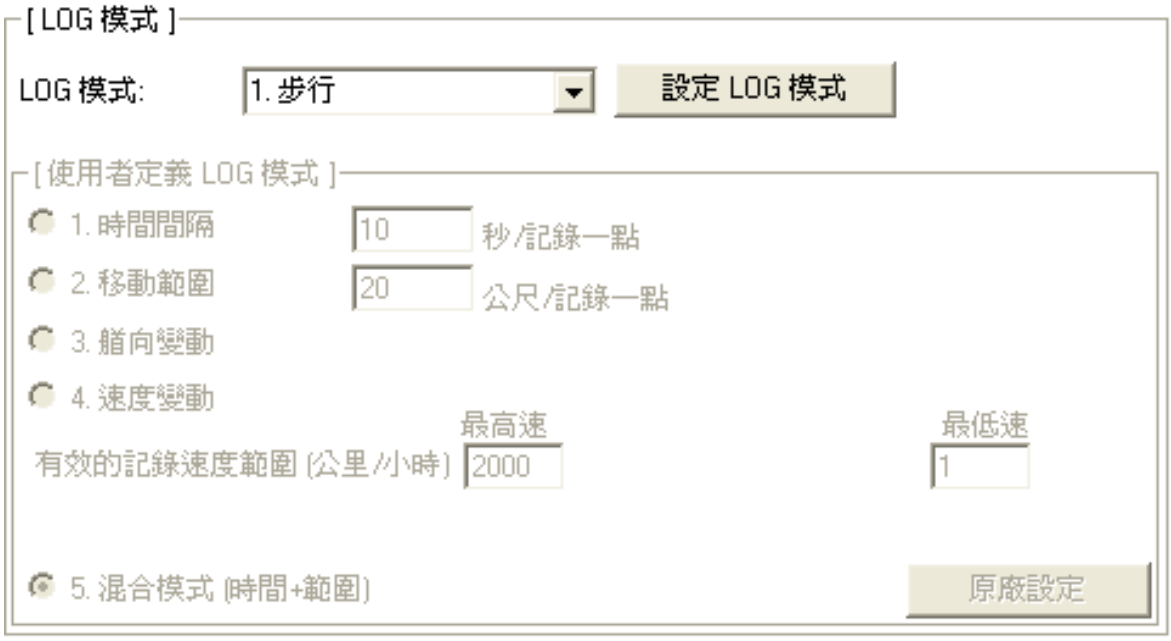
可在此分頁設定Easy Showily 之軌跡記錄模式。



共分為下列四種主要模式：

Ⅰ.步行模式：

當移動速度介於1~2000 km/h 時,每隔10秒或每移動20公尺就紀錄一點。



Ⅱ.自行車模式：

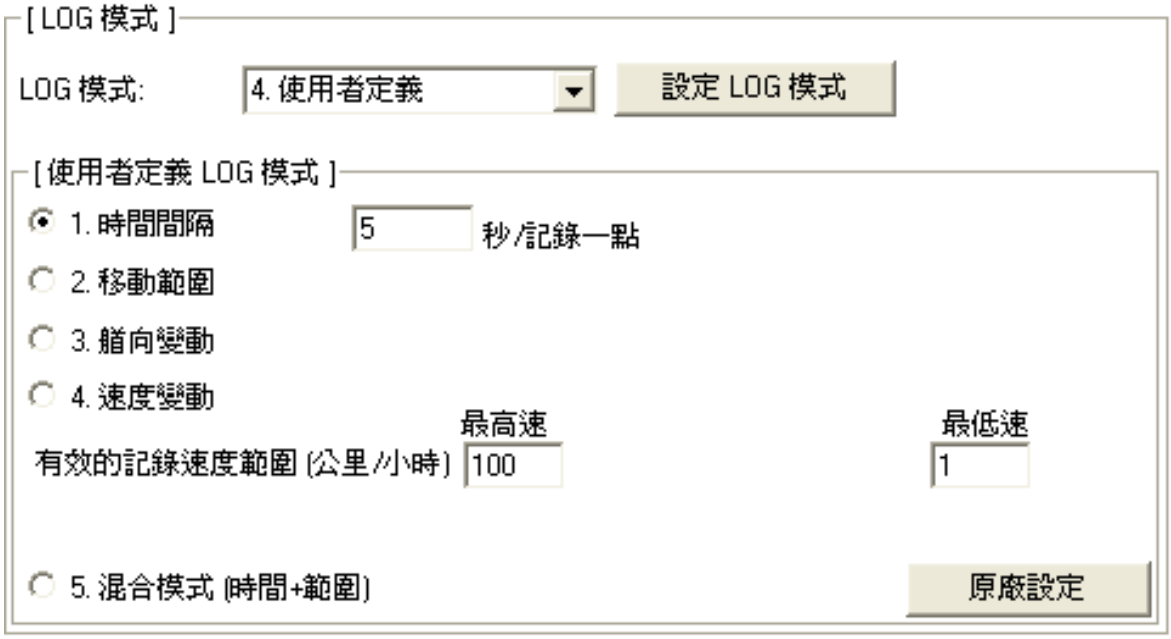
當移動速度介於 3~2000 km/h 時,每隔 20 秒或每移動 100 公尺就紀錄一點。

Ⅲ. 汽車模式：

當移動速度介於5~2000 km/h 時, 當艏向變化超過10度就紀錄一點。

Ⅳ. 使用者自訂模式：

使用者自訂記錄模式包含時間間隔、距離間隔、艏向變化、速度變化及混合時間距離間隔等五種。

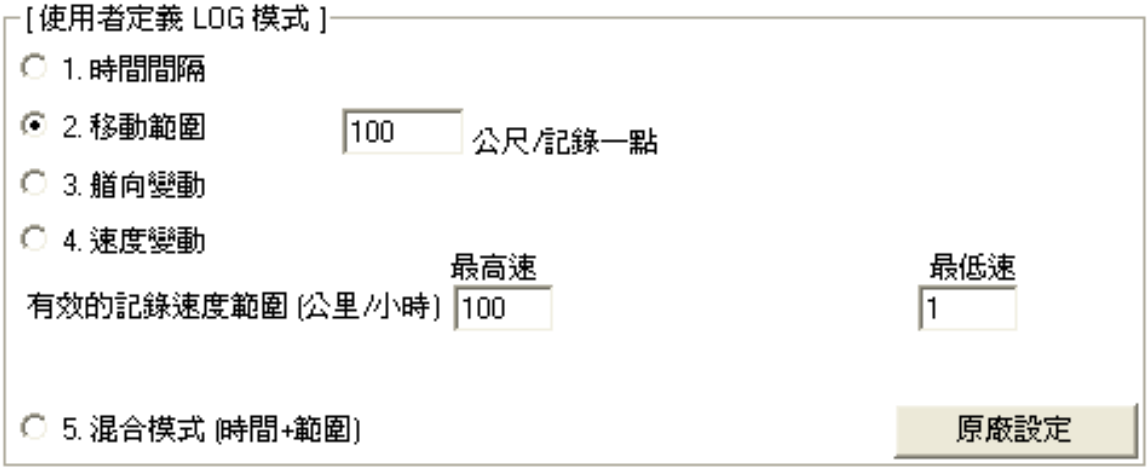


Ⅳ.1 時間間隔：

當移動速度介於有效的紀錄速度範圍內，會依據設定的時間間隔做紀錄。

Ⅳ.2 距離間隔：

當移動速度介於有效的紀錄速度範圍內，且移動範圍超過設定的距離間隔時就紀錄一點。

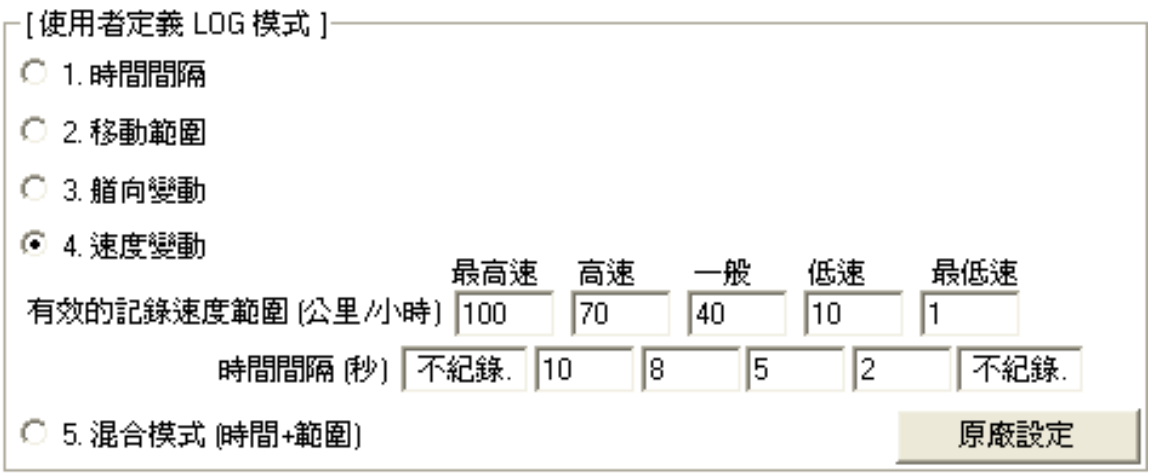


Ⅳ.3 艏向變化：

當移動速度介於有效的紀錄速度範圍內,且艏向變化超過設定的角度時就紀錄一點。

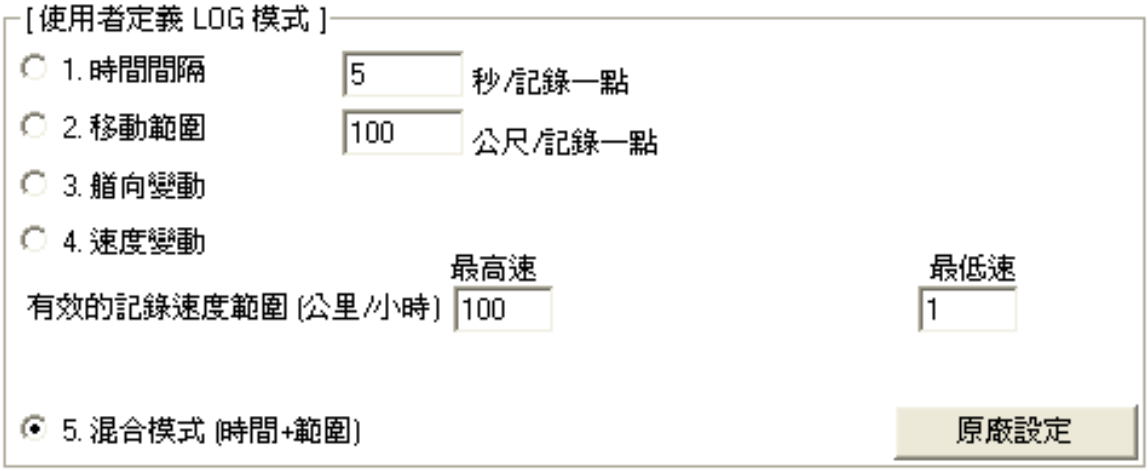
Ⅳ.4 速度變化：

速度變化模式分為四個速度區間,當移動速度介於有效的紀錄速度範圍內,且移動速度落在而每個區間中，則會依據相對應的時間間隔作為記錄條件。



Ⅳ.5 混合時間距離間隔：

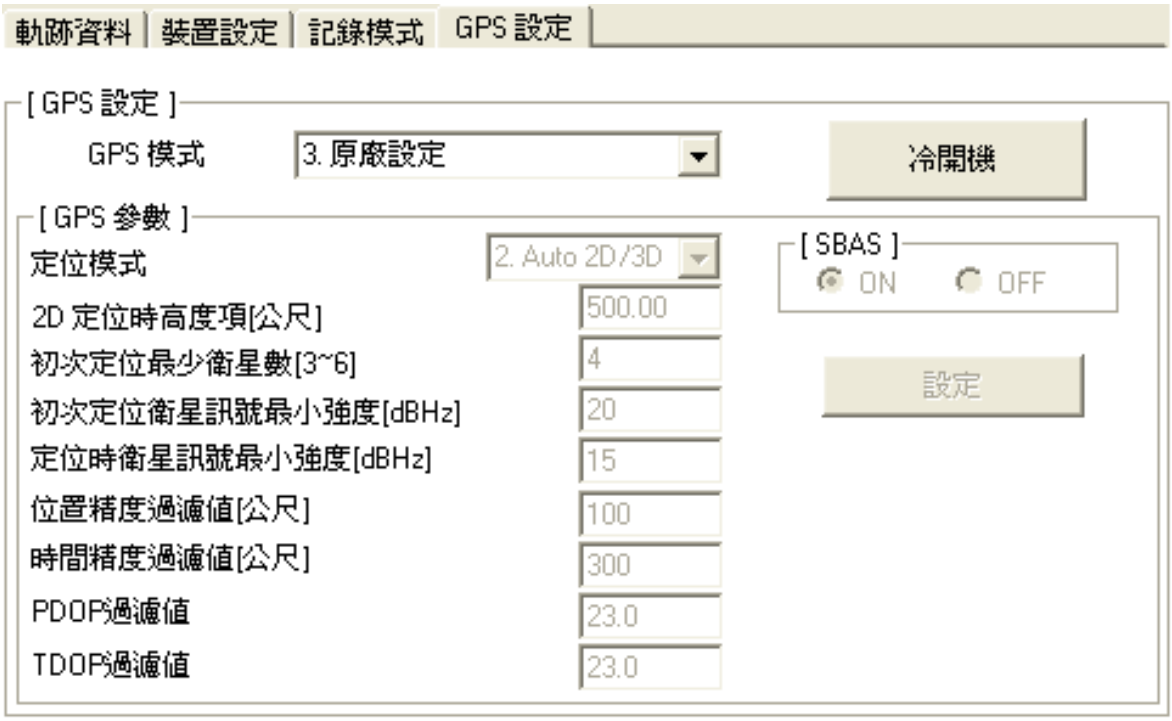
亦即混合時間間隔與距離間隔的設定條件,若滿足任一個條件就紀錄一點。



附註:

1. “有效的紀錄速度範圍”表示當速度超過此範圍則不做任何記錄。
2. “原廠設定”可將所有記錄模式參數回復成原廠設定值。
3. 所有模式皆需在定位成功時才會紀錄(Easy Showily LCD顯示”FIX”)。

4.5 GPS設定分頁：



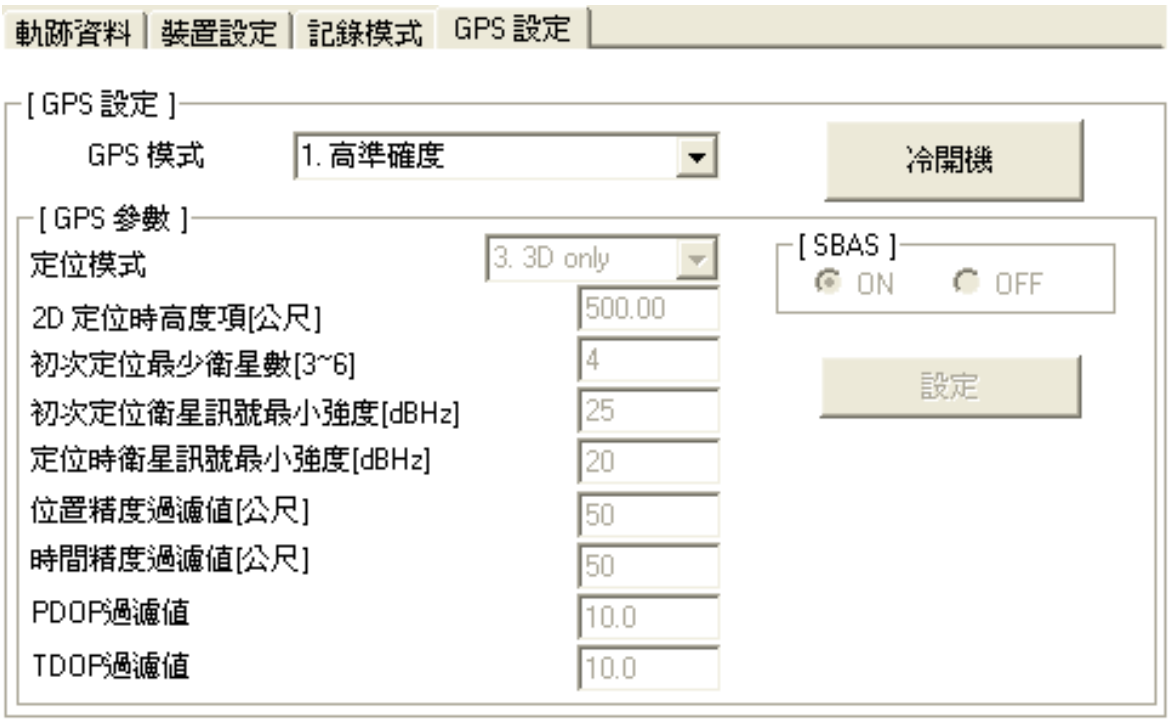
I.GPS冷開機: 可在Win_Tool上點擊“冷開機”或直接在關機的狀態下，同時按住功能鍵與軌跡鍵後再長按電源鍵開機（低電源時將不提供硬體“冷開機”功能），即可對GPS做冷開機動作。

Ⅱ.GPS 模式設定:

共分為以下六種：

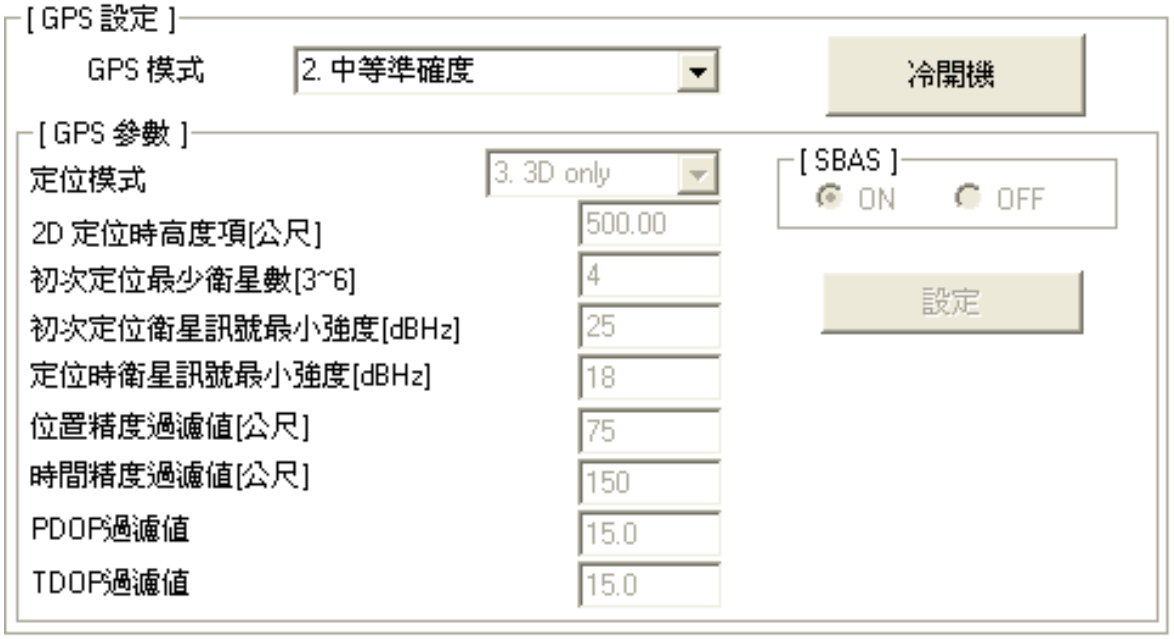
Ⅱ.1 高準確度模式：

較為嚴格的GPS定位要求，此模式下所得之定位點準確度最高；但相對的此模式下之定位時間與定位率會較低。



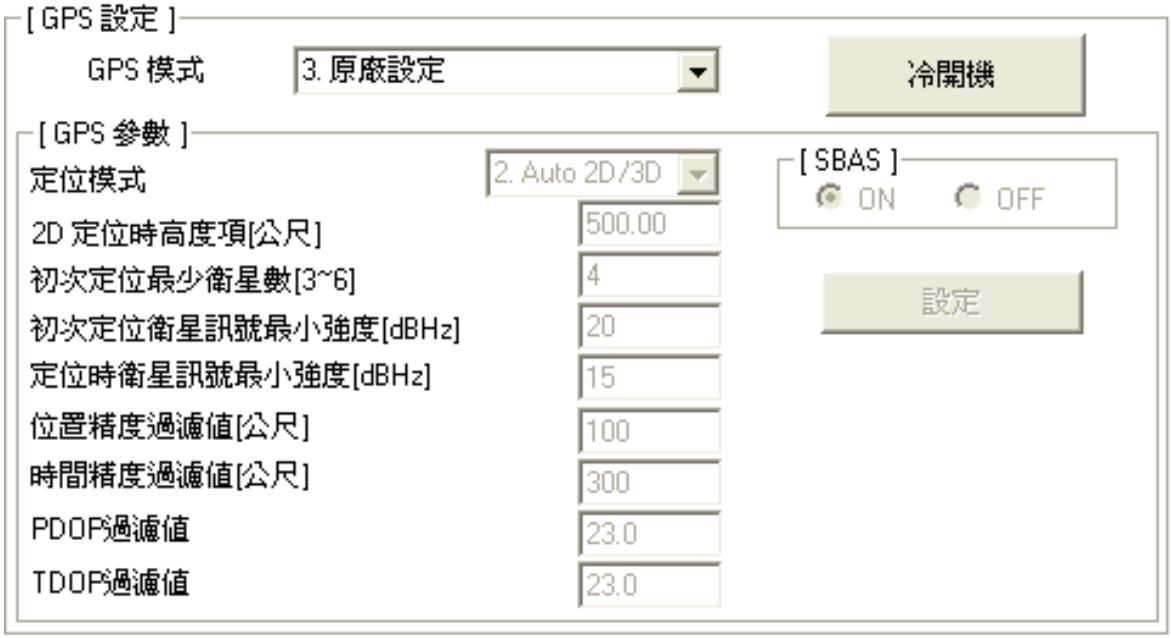
Ⅱ.2 中等準確度模式：

中等的GPS定位要求，此模式下所得之定位點準確度略遜於高準確度模式；但相對的此模式下之定位時間與定位率會高於高準確度模式。



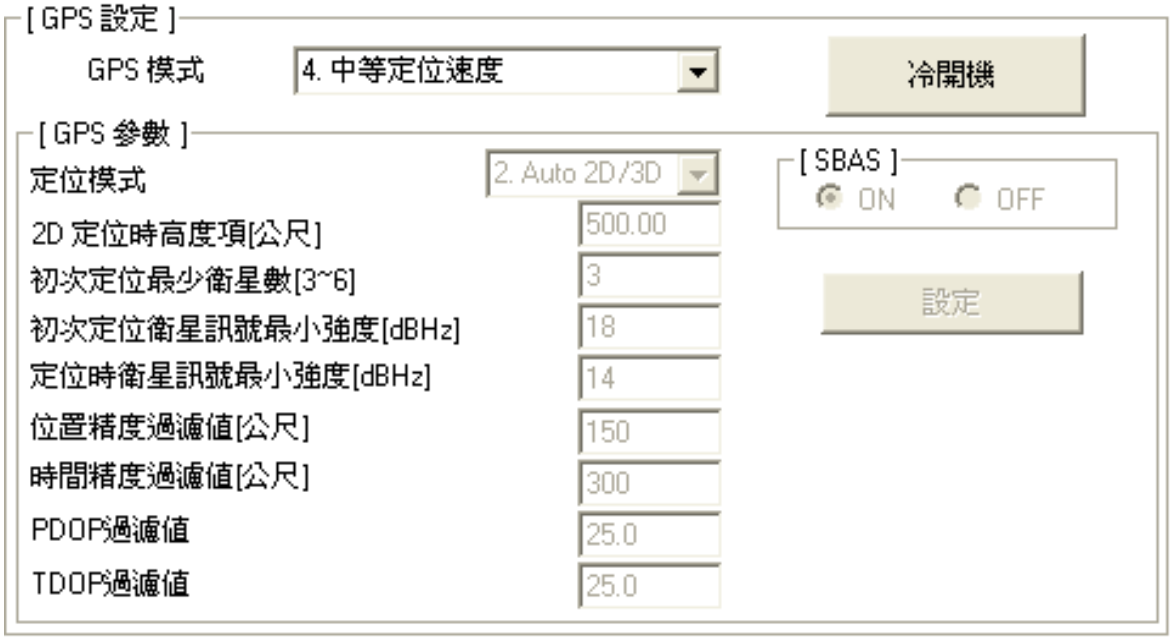
Ⅱ.3 原廠設定模式：

普通的GPS定位要求，此模式下所得之定位點準確度略遜於中等準確度模式；但相對的此模式下之定位時間與定位率會高於中等準確度模式。



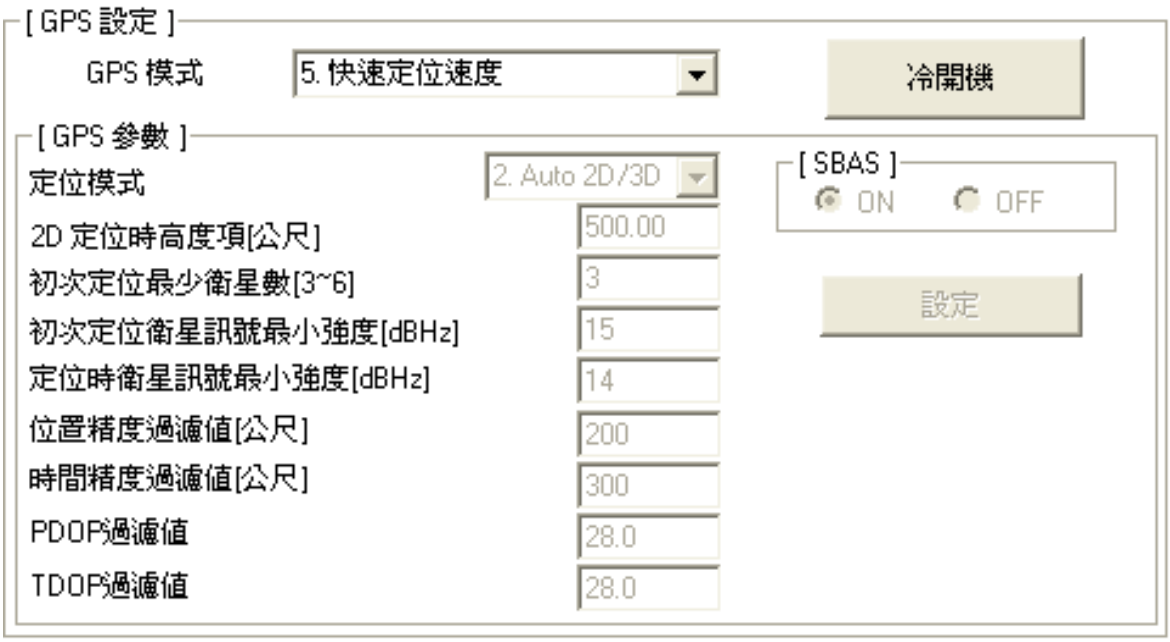
Ⅱ.4 中等定位速度模式：

中等的定位速度與定位率要求，此模式下之定位時間與定位率會高於原廠設定模式；但相對的此模式下所得之定位點準確度會略遜於原廠設定模式。



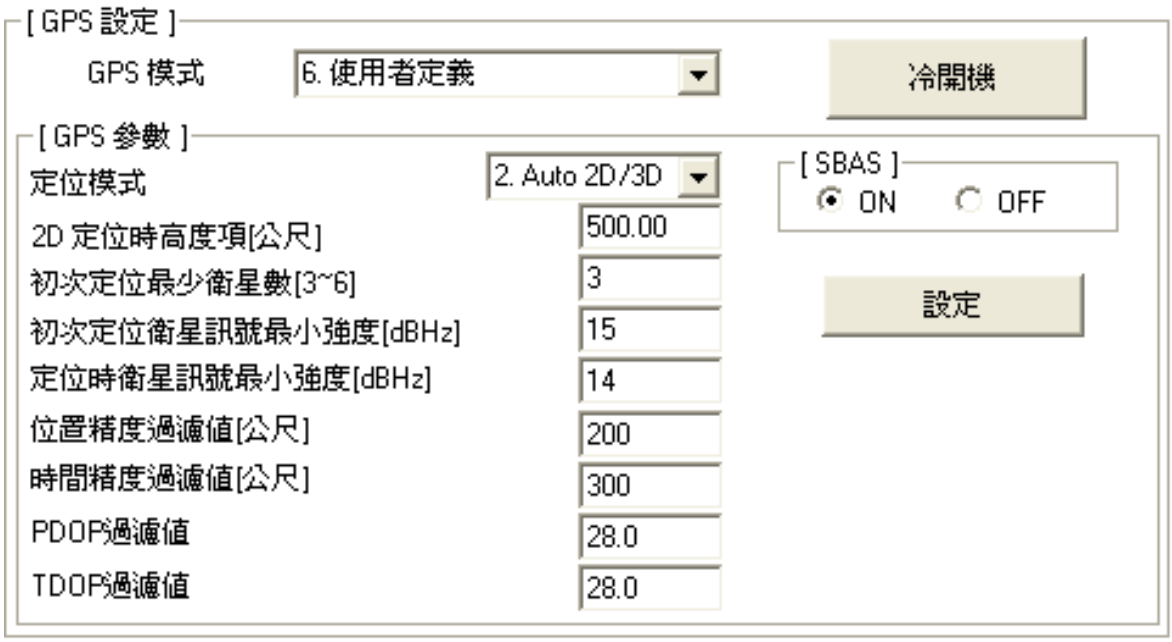
Ⅱ.5 快速定位速度模式：

要求較快的定位速度與較佳的定位率，此模式下之定位時間與定位率會最高；但相對的此模式下所得之定位點準確度將再遜於中等定位速度模式。



Ⅱ.6 使用者定義模式：

使用者可依自己的需求與使用環境調整最合適的GPS參數。



Ⅲ. GPS 參數說明：

Ⅲ.1 定位模式：選擇輸出的GPS定位模式；區分為以下三種：

Ⅲ.1.1 2D定位：較寬鬆的定位要求，只要GPS衛星訊號達到2D定位之水準即輸出定位成功；定位速度快但準確度較差，定位之高度項將為預設值。

Ⅲ.1.2 2D/3D自動切換：會依據使用時的GPS衛星訊號自動切換為2D或3D定位。（建議使用）

Ⅲ.1.3 強制3D定位：較嚴謹的定位要求，GPS衛星訊號需達到3D定位之水準才會輸出定位成功；定位速度慢但準確度較高，定位之高度項較準確。

Ⅲ.2 2D定位時高度項: 若輸出定位為2D時，以此設定值作為固定的計算高度。

Ⅲ.3 初次定位最少衛星數: 開機後，使用於初次定位所需的最少GPS衛星數；建議值為4顆，亦即3D定位。

Ⅲ.4 初次定位衛星訊號最小強度: 開機後，使用於初次定位時GPS衛星所需的最低信號強度，此值越高定位準確度較高，但亦較難定位成功；建議值20～40。

Ⅲ.5 定位時衛星訊號最小強度: 定位完成後，使用於定位解算的衛星所需之最低訊號強度，此值越高定位準確度較高，但亦較難定位成功；建議值15～40。

Ⅲ.6 PDOP(位置幾何稀釋精度)過濾值:此值設越大，在環境較差的情況下雖可以定位，但誤差亦會變大，相對的,此值設定越小則精確度越高，但有效定位亦會變少；建議值5～30。

Ⅲ.7 TDOP(時間幾何稀釋精度)過濾值:此值設越大，在環境較差的情況下雖可以定位，但誤差亦會變大，相對的,此值設定越小則精確度越高，但有效定位亦會變少；建議值5～30。

Ⅲ.8 位置精度過濾值: 設定位置精度門檻值，此值設越大，在環境較差的情況下雖可以定位，但誤差亦會變大，相對的,此值設定越小則精確度越高，但有效定位亦會變少；建議值50～300。

Ⅲ.9 時間精度過濾值: 設定時間精度門檻值，此值設越大，在環境較差的情況下雖可以定位，但誤差亦會變大，相對的,此值設定越小則精確度越高，但有效定位亦會變少；建議值50～300。

Ⅲ.10 SBAS（星基輔助系統）：啟用/關閉SBAS功能。

4.6 JPEG相片定位功能與製作報告功能:

4.6.1 於Win_Tool主頁面之軌跡資料頁面選擇軌跡檔(*.tes)。

4.6.2 於Win_Tool主頁面功能表點選”Photo_Tool”\ ”Geotagging/Report”項目以開啟JPEG相片定位工具與製作相片地圖及軌跡分析報告頁面。

I.JPEG相片定位功能:

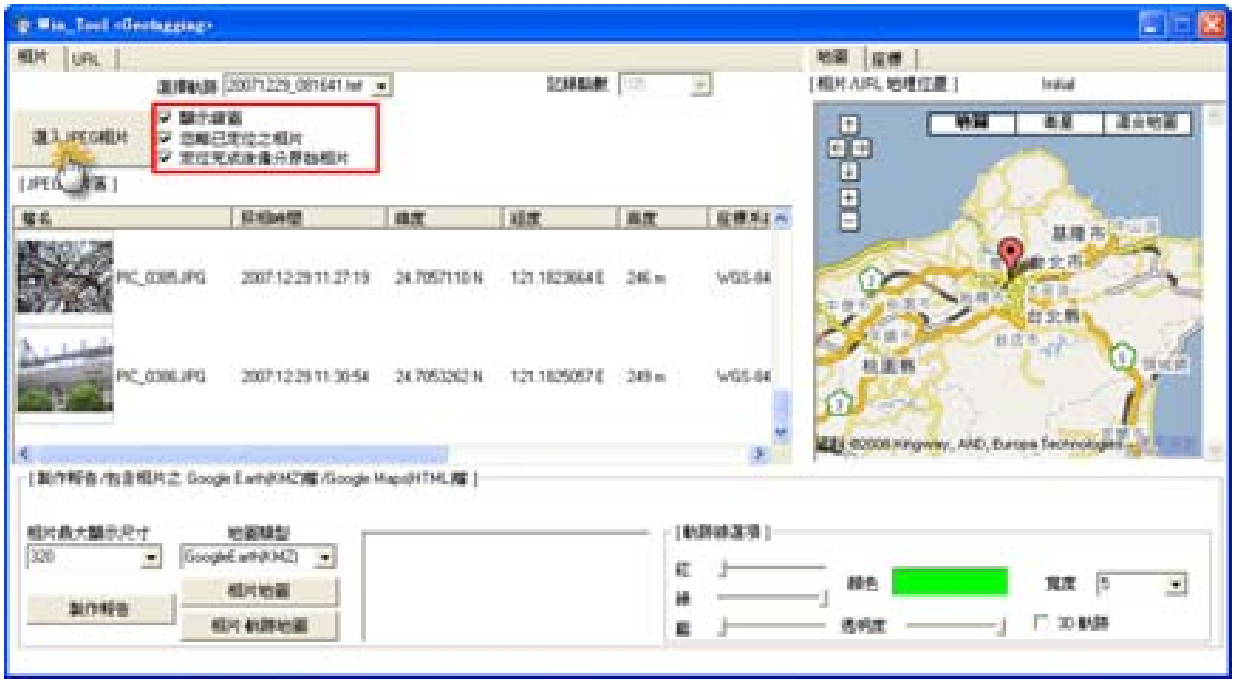
I.1 按下”選入JPEG相片”按鍵以選擇欲定位之JPEG 相片定位至[JPEG相片區]並自動依據指定之軌跡檔(*.tes)(當軌跡點數不為0時)與裝置時區做為參考依據對選入之JPEG 相片作定位（Geotagging）。

注意：裝置時區若與相機設定之時區不同步將無法自動完成相片定位或定位錯誤；此時請先將裝置時區調整成與相機設定之時區相同，以確保能對相片作正確定位。

I.1.1 若勾選”顯示縮圖”則會在[JPEG相片區]顯示選入相片之縮圖；注意，此選項會使相片選入速度變慢。

I.1.2 若勾選”忽略已定位之相片”，若選入之相片已作過定位則略過該相片，不對其再次作定位。

I.2.3 若勾選”定位完成後備份原始相片”，當選入之相片完成定位時會自動於相片原始儲存路徑下自動備份原始相片；備份相片檔名為”BACK_原始檔名”。



I.2 移除[JPEG相片區]內之相片：

I.2.1 在[JPEG相片區]內選擇（可多選）欲移除之相片後，按滑鼠右鍵並選擇”Cancel Selected Photo”或直接按下鍵盤之”Delete”鍵以移除所選擇之相片。

I.2.2 在[JPEG相片區]內按滑鼠右鍵並選擇”Cancel All Photos”可移除[JPEG相片區]內所有的相片。

[JPEG相片區]

I.3 手動定位相片:當軌跡點數為0（沒有軌跡檔時）或欲手動定位相片或修改相片地理位置時可使用此功能。

I.3.1 手動定位相片:

I.3.1.1 直接將地圖分頁中地圖內之位置標示拖曳至欲定位之位置或切換至座標分頁直接將欲寫入相片之緯度(輸入格式：dd.ddddddd 度)、經度(輸入格式：ddd.ddddddd 度)及高度填入至對應欄位。

I.3.1.2 於[JPEG相片區]點選（單選）欲定位之相片後，按滑鼠右鍵並選擇”Manual Geotagging (Photos)”，完成定位。

[JPEG相片區]

I.3.2 修改已定位之相片地理位置:

I.3.2.1 點選欲修改位置之相片後按滑鼠右鍵並選擇”Pre-view/Check Photo Position in GM”選項將目前位置顯示於Google Maps地圖中，再直接將地圖內之位置標示直接拖曳至欲定位之位置或切換至座標分頁直接將欲寫入相片之緯度(輸入格式：dd.ddddddd 度)、經度(輸入格式：ddd.ddddddd 度)及高度填入至對應欄位。

I.3.2.2 於[JPEG相片區]點選（單選）欲修改位置之相片後，按滑鼠右鍵並選擇”Manual Geotagging (Photos)”，完成修改定位。

Ⅱ.製作包含已定位相片之GoogleEarth檔（*.kmz）：

Ⅱ.1 選入JPEG相片並完成定位。

Ⅱ.2 若欲對相片加入描述，於[JPEG相片區] 點選（單選）欲加入描述之相片後按滑鼠右鍵並選擇”Add/Change Photo Description”以開啟”相片/URL描述”對話框，於填入對相片之描述後，再按下”完成”，將描述加入所選擇之相片欄位。若欲修改相片之描述，操作方式亦同。

[JPEG相片區]

[JPEG相片區]

	照相時間	緯度	經度	高度	座標系統	描述
385.JPG	2007:12:29 11:27:19	24.7057110 N	121.1823664 E	246 m	WGS-84	這是梅花
386.JPG	2007:12:29 11:30:54	24.7053262 N	121.1825057 E	249 m	WGS-84	

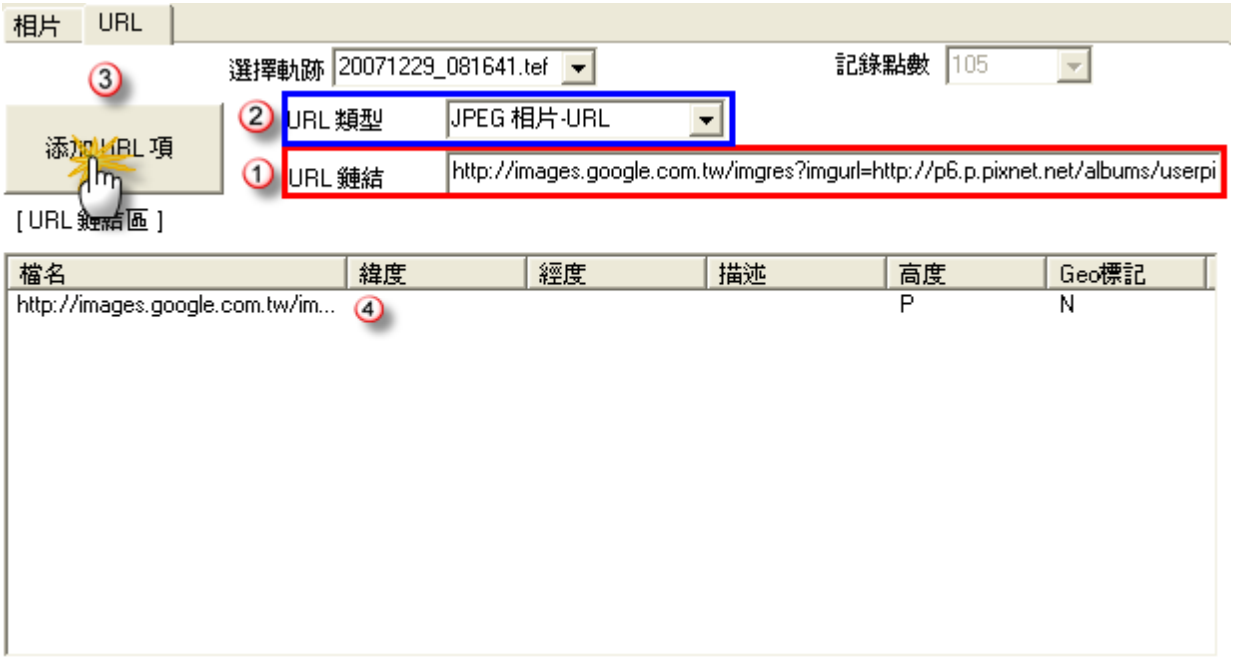
Ⅱ.3 在軌跡地圖中添加網路上的JPGE相片或影片連結。

Ⅱ.3.1 切換至URL分頁並將網路相片/影片所提供之完整連結填入（貼入）”添加URL鏈結”之欄位。

Ⅱ.3.2 選擇正確的URL類型（URL-JPEG相片或URL-影片）

Ⅱ.3.3 按下”添加URL項”按鍵。

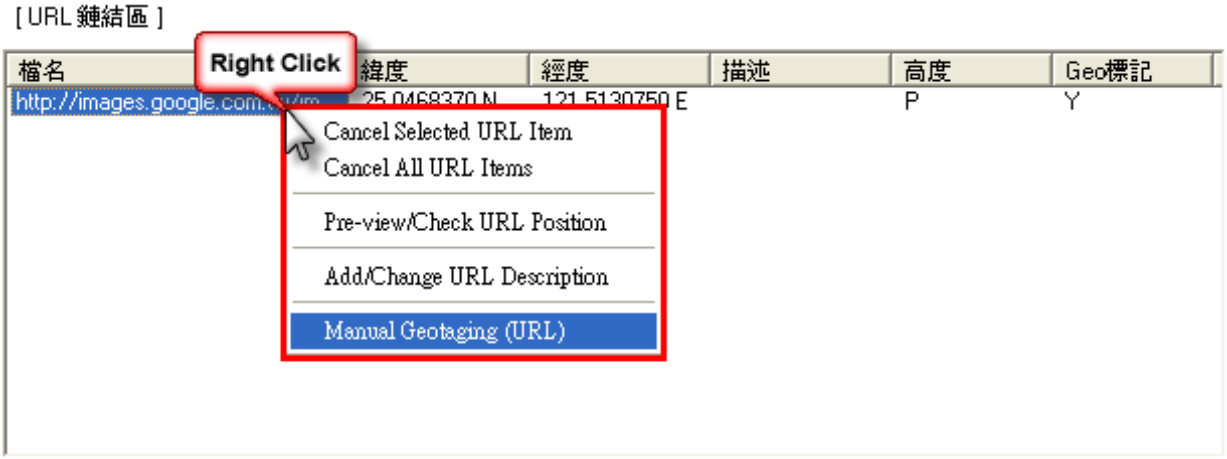
Ⅱ.3.4 URL項目增加至URL列表中。



Ⅱ.3.5 定位URL項：

Ⅱ.3.5.1 直接將地圖分頁中地圖內之位置標示拖曳至欲定位之位置或切換至座標分頁直接將欲寫入相片之緯度(輸入格式：dd.ddddddd 度)、經度(輸入格式：ddd.ddddddd 度)及高度填入至對應欄位。

Ⅱ.3.5.2 於[URL鏈結區]點選（單選）欲定位之相片後，按滑鼠右鍵並選擇”Manual Geotagging (URL)”，完成定位。



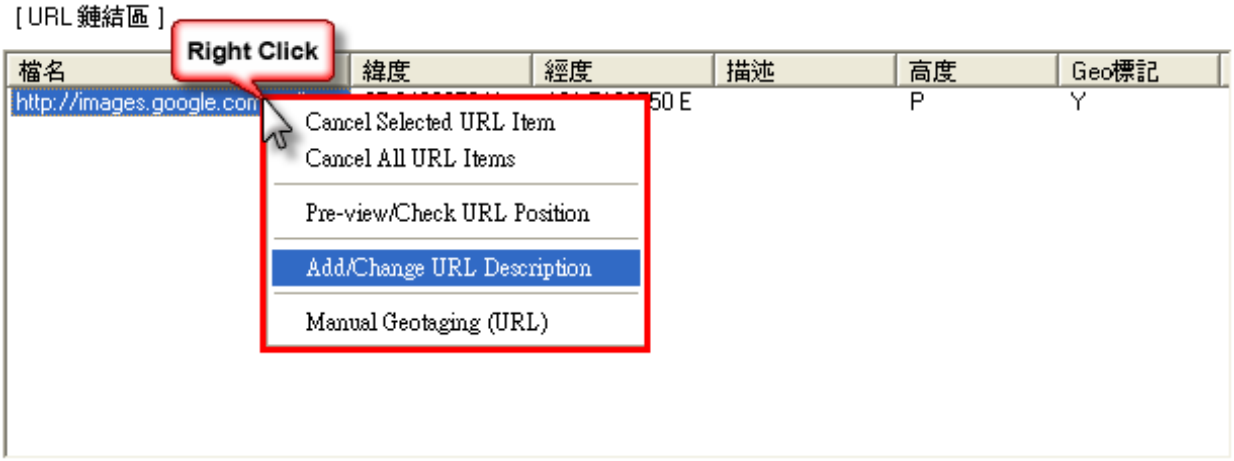
Ⅱ.3.6 修改已定位URL項之地理位置:

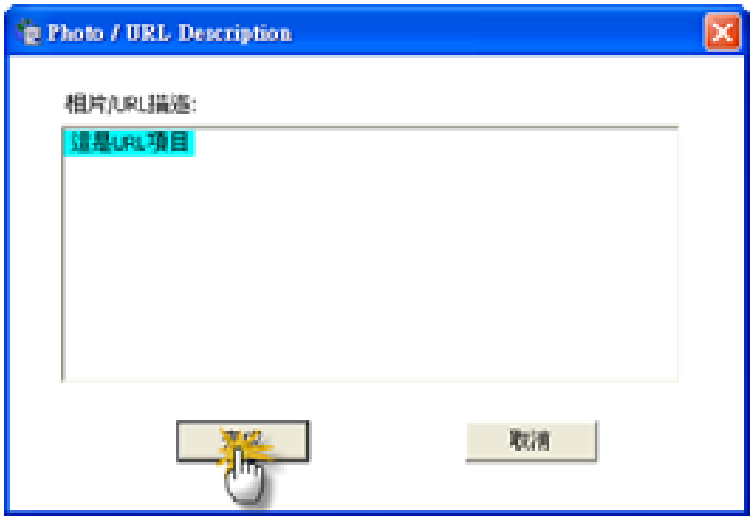
Ⅱ.3.6.1 點選欲修改位置之URL項後按滑鼠右鍵並選擇”Pre-view/Check URL Position in GM”選項將目前位置顯示於Google Maps地圖中，再直接將地圖內之位置標示直接拖曳至欲定位之位置或切換至座標分頁直接將欲寫入URL項之緯度(輸入格式：dd.ddddddd 度)、經度(輸入格式：ddd.ddddddd 度)及高度填入至對應欄位。

Ⅱ.3.6.2 再次於[URL鏈結區]點選（單選）欲修改位置之URL項後，按滑鼠右鍵並選擇”Manual Geotagging (URL)”，完成修改定位。

Ⅱ.3.7 若欲對URL項目加入描述，於[URL鏈結區] 點選（單選）欲加入描述之URL項目後按滑鼠右鍵並選擇”Add/Change URL Description”以開啟”相片/URL描述”對話框，於填入對URL項目之描述後，再按下”確定”，將描述加入所選擇之URL項目欄位。若欲修改URL項目之描述，操作方式亦同。

[URL 鏈結區]





[URL 鏈結區]

檔名	緯度	經度	描述	高度	Geo標記
http://images.google.com.tw/im...	25.0468370 N	121.5130750 E	這是URL項目	P	Y

Ⅱ.3.8 移除[URL鏈結區]之URL項：

Ⅱ.3.8.1 在[URL鏈結區]中選擇（可多選）欲移除之URL項後，按滑鼠右鍵並選擇”Cancel Selected URL Item”或直接按下鍵盤之”Delete”鍵以移除所選擇之URL項。

Ⅱ.3.8.2 在[URL鏈結區]內按滑鼠右鍵並選擇”Cancel All URL Items”可移除[URL鏈結區]所有的URL項。

Ⅱ.4 製作僅含已定位相片（及已定位URL項）之Google Earth地圖檔：

Ⅱ.4.1 選擇地圖類型為”GoogleEarth（KMZ）”。

Ⅱ.4.2 選擇相片於地圖內之最大顯示尺寸。

Ⅱ.4.3 按下”相片地圖”按鍵。

Ⅱ.4.4 產生僅含相片之Google Earth地圖檔(PGE***.kmz)。

Ⅱ.5 製作包含已定位相片（及已定位URL項）與軌跡之Google Earth地圖檔：當選定之軌跡檔(*.tes)記錄點數不為0時。

Ⅱ.5.1 選擇欲顯示之軌跡段(*.tef)。

Ⅱ.5.2 選擇地圖類型為”GoogleEarth（KMZ）”。

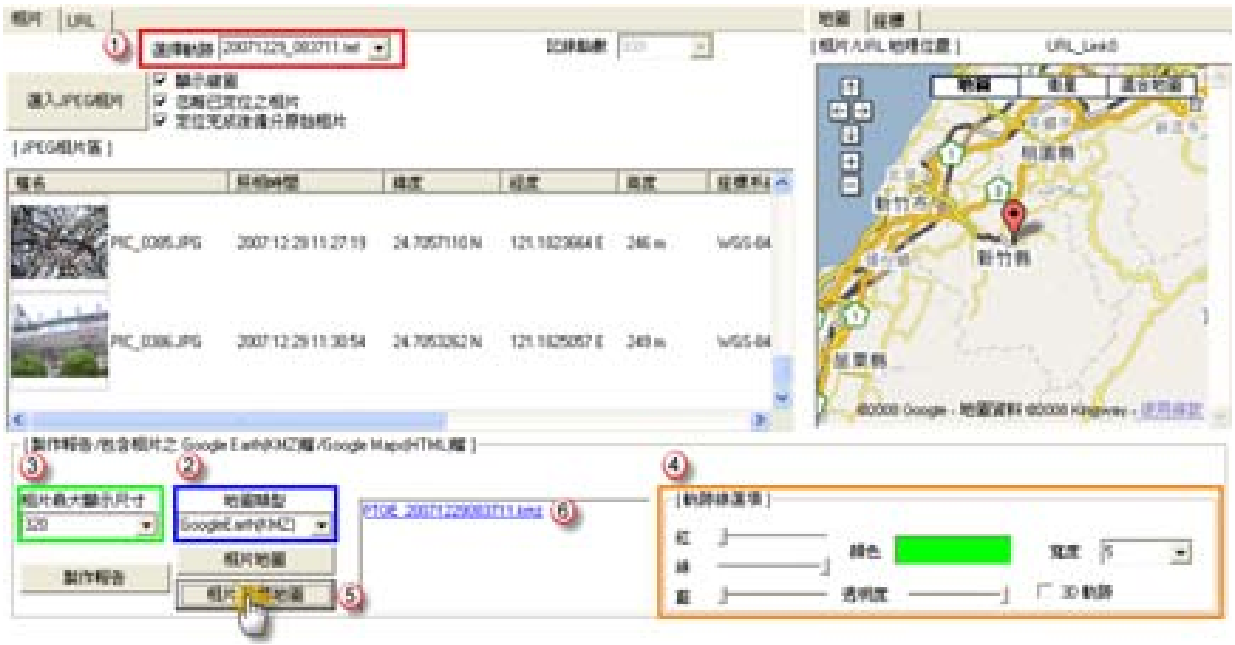
Ⅱ.5.3 選擇相片於地圖內之最大顯示尺寸。

Ⅱ.5.4 選擇軌跡線條顏色、透明度與寬度及是否使用3D軌跡顯示。

Ⅱ.5.5 按下”相片軌跡地圖”按鍵。

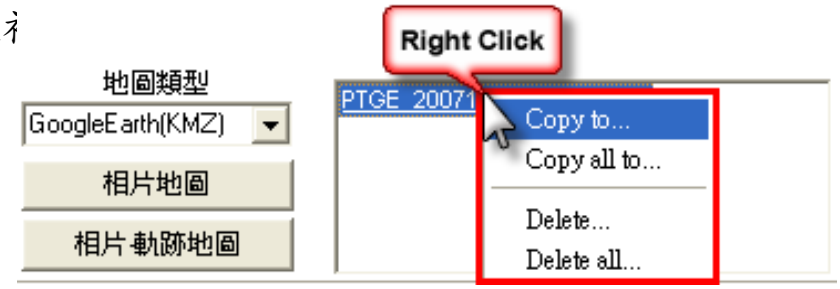
Ⅱ.5.6 產生包含已定位相片（及已定位URL項）與軌跡之Google Earth地圖檔(PTGE***.kmz)。

NOTE：若選入之相片時間並未包含於選擇之軌跡段記錄時間內，該相片將不會嵌入至地圖中。



Ⅱ.6 複製及刪除地圖檔：

在地圖檔列表中點選欲複製或刪除之檔案後，點擊滑鼠右鍵，可開啟



<包含已定位相片（及已定位URL項）與軌跡之Google Earth地圖>

Ⅲ.製作包含已定位相片之Google Maps檔（*.html）：

Ⅲ.1 選入JPEG相片並完成定位。

Ⅲ.2 若欲對相片加入描述，操作方式如同Ⅱ.2。

Ⅲ.3 在軌跡地圖中添加網路上的JPGE相片或影片連結，操作方式如同Ⅱ.3。

Ⅲ.4 製作僅含已定位相片（及已定位URL項）之Google Maps地圖檔：

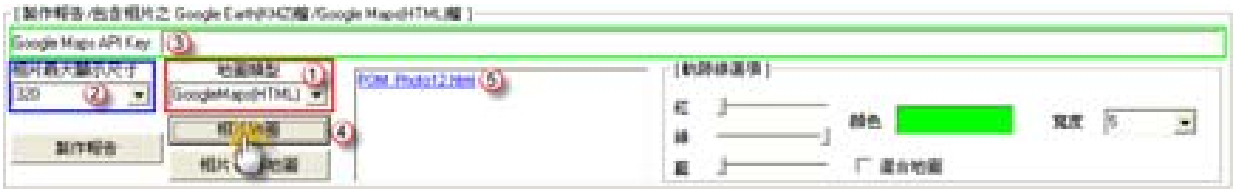
Ⅲ.4.1 選擇地圖類型為”GoogleMaps（HTML）”。

Ⅲ.4.2 選擇相片於地圖內之最大顯示尺寸。

Ⅲ.4.3 若欲將地圖分享於您個人之部落格請填入您專屬的Google Maps API Key。

Ⅲ.4.4 按下”相片地圖”按鍵。

Ⅲ.4.5 產生僅含相片之Google Earth地圖檔(PGM***.html)。



Ⅲ.5 製作包含已定位相片（及已定位URL項）與軌跡之Google Maps地圖檔：當選定之軌跡檔(*.tes) 記錄點數不為0時。

Ⅲ.5.1 選擇欲顯示之軌跡段(*.tef)。

Ⅲ.5.2 選擇地圖類型為”GoogleEarth（KMZ）”。

Ⅲ.5.3 選擇相片於地圖內之最大顯示尺寸。

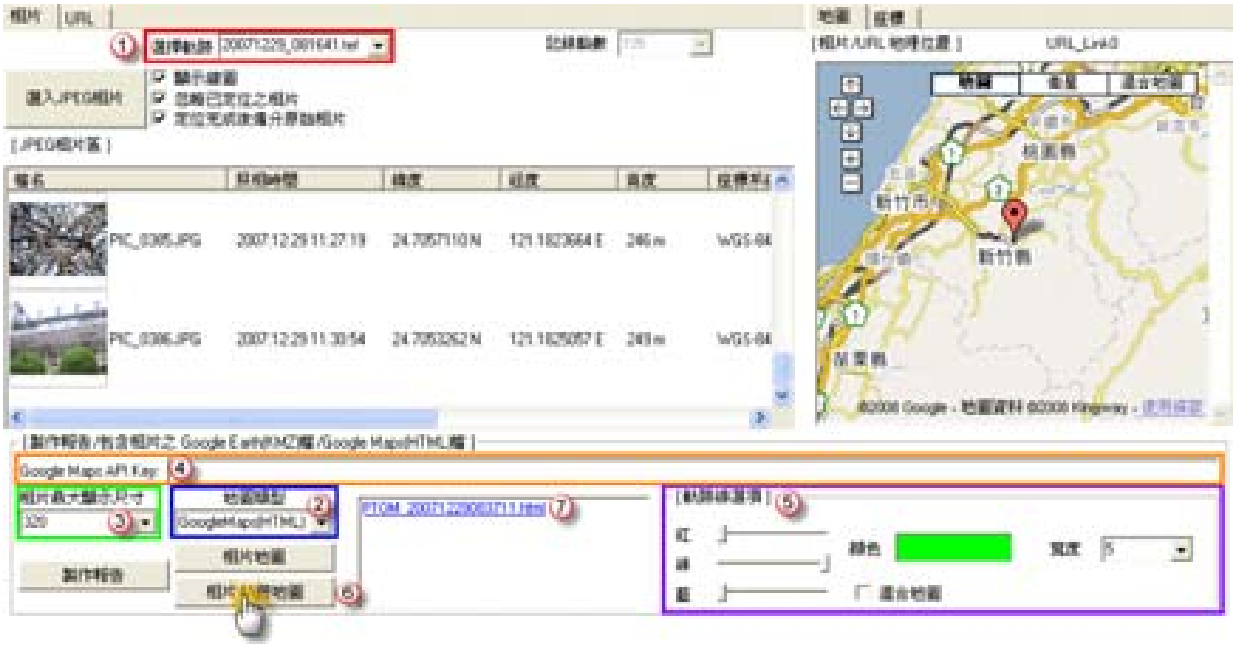
Ⅲ.5.4 若欲將地圖分享於您個人之部落格請填入您專屬的Google Maps API Key。

Ⅲ.5.5 選擇軌跡線條顏色、寬度及是否使用衛星/道路混合地圖。

Ⅲ.5.6 按下”相片軌跡地圖”按鍵。

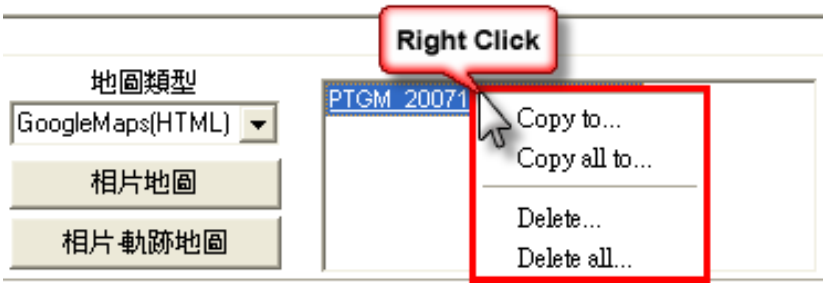
Ⅲ.5.7 產生包含已定位相片（及已定位URL項）與軌跡之Google Maps地圖檔(PTGM***.html)。

NOTE：若選入之相片的時間並未包含於選擇之軌跡段記錄時間內，該相片將不會嵌入至地圖中。



Ⅲ.6 複製及刪除地圖檔：

在地圖檔列表中點選欲複製或刪除之檔案後，點擊滑鼠右鍵，可開啟複製或刪除檔案之選單。



<包含已定位相片（及已定位URL項）與軌跡之Google Maps地圖>

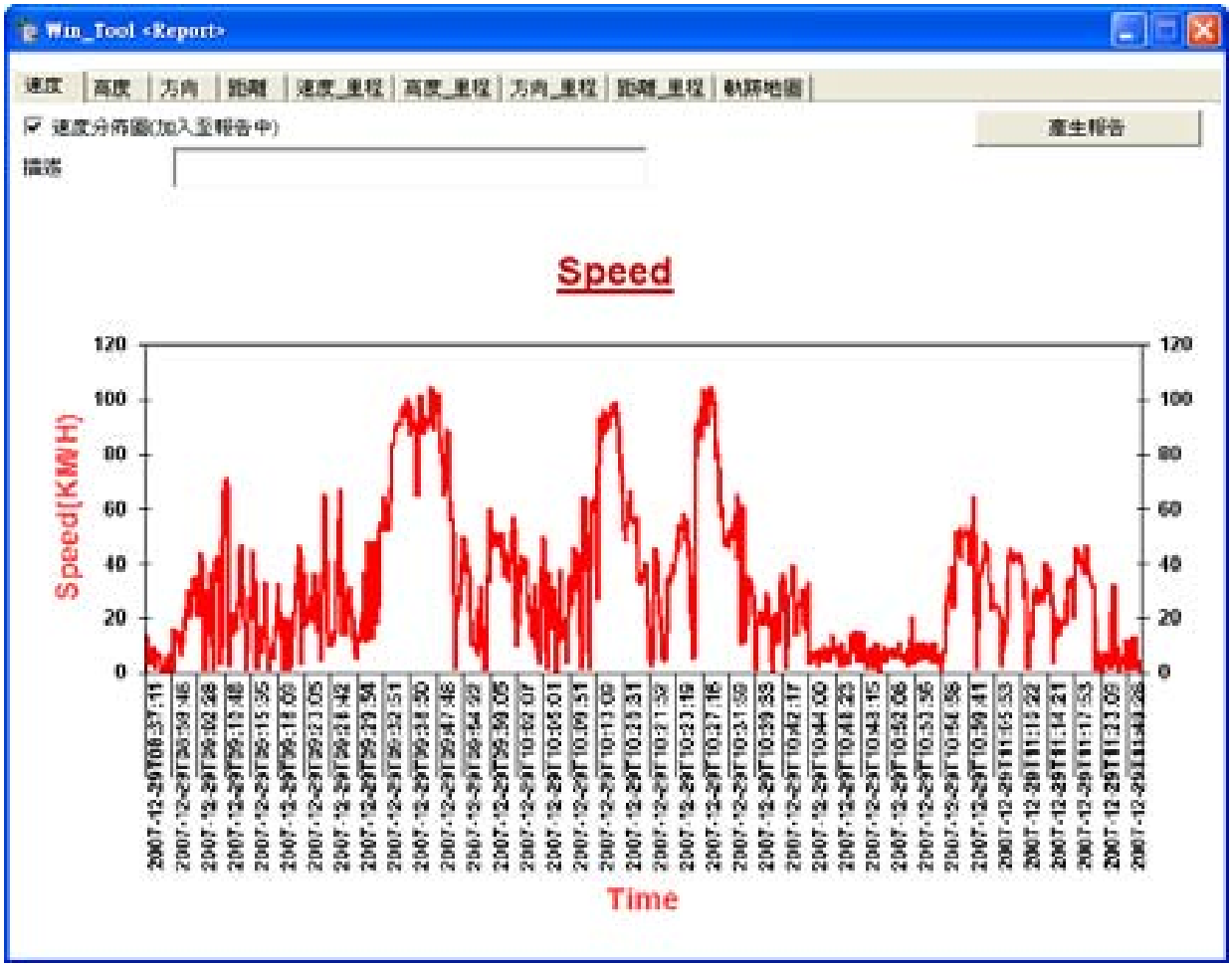
Ⅳ.製作軌跡分析報告:當選定之軌跡檔記錄(*.tes)點數不為0時。

Ⅳ.1 選擇欲製作報告之軌跡段（*.tef）；若所選擇之軌跡段已製作包含相片與軌跡之Google Maps地圖（PTGM***.html）則將自動使用該相片-軌跡地圖取代報告之軌跡地圖；並可略過步驟Ⅳ.2。

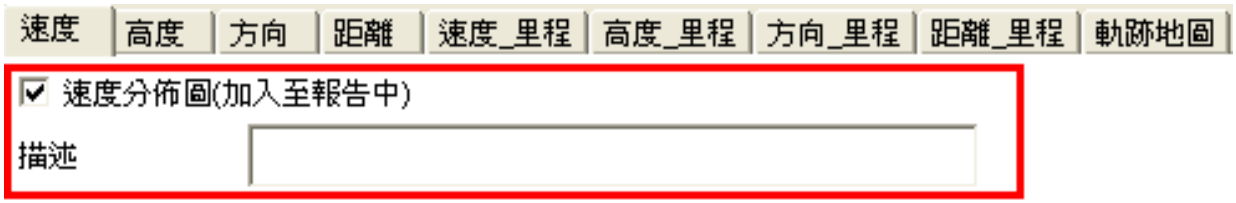
Ⅳ.2 選擇報告內軌跡地圖的軌跡線條顏色、寬度及是否使用衛星/道路混合地圖。

Ⅳ.3 按下”製作報告”按鍵以開啟報告圖表頁面並製作報告所需之圖表。

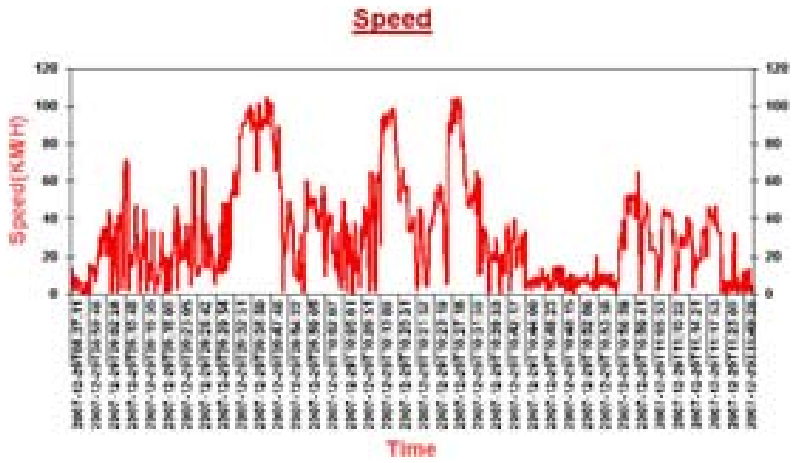

相片
URL
地圖
軌跡
匯入JPEG相片
顯示縮圖
忽略已定位之相片
定位完成後儲存原始相片
JPEG相片區
檔名
拍攝時間
緯度
經度
高度
座標系統
PIC_0385.JPG
2007.12.29 11:27:13
24.7057110 N
121.1623664 E
246 m
WGS-84
PIC_0386.JPG
2007.12.29 11:30:54
24.7053262 N
121.1625057 E
245 m
WGS-84
Google Maps API Key
相片最大顯示尺寸
320
地圖類型
GoogleMaps(HTML)
相片地圖
相片軌跡地圖
軌跡線選項
紅
綠
藍
顏色
寬度
產生報告


Win_Tool <Report>
速度
高度
方向
距離
速度_里程
高度_里程
方向_里程
距離_里程
軌跡地圖
速度分佈圖(加入至報告中)
產生報告
描述
Speed
Speed(KM/H)
Time
120
100
80
60
40
20
0

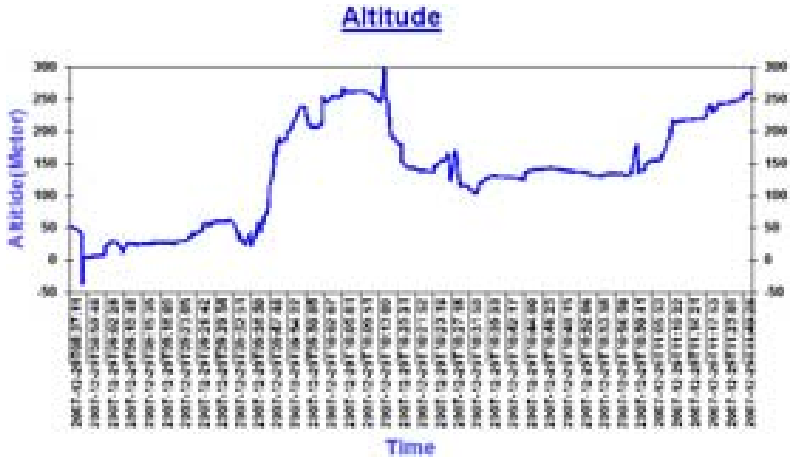
Ⅳ.4 於報告圖表頁面依序確認所有圖表皆完成繪製，並選擇是否將該項圖表顯示於報告中（於各圖表分頁勾選加入報告選項）及是否對該項圖表加入描述（直接將描述填入各圖表分頁之描述欄位即可）。



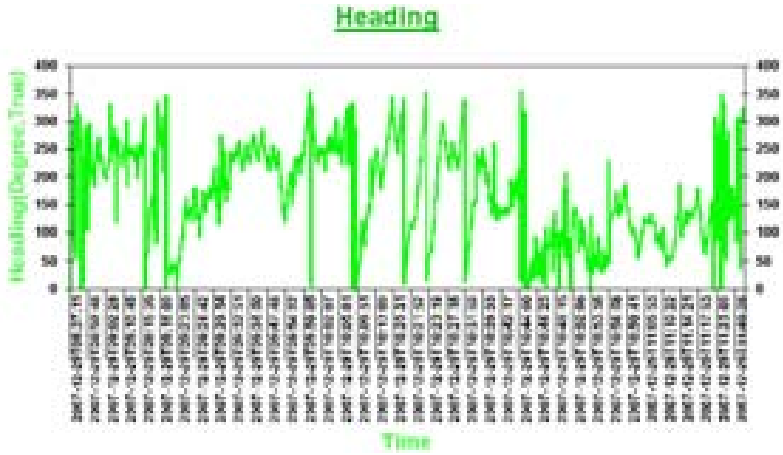
Ⅳ.4.1 速度分佈圖：



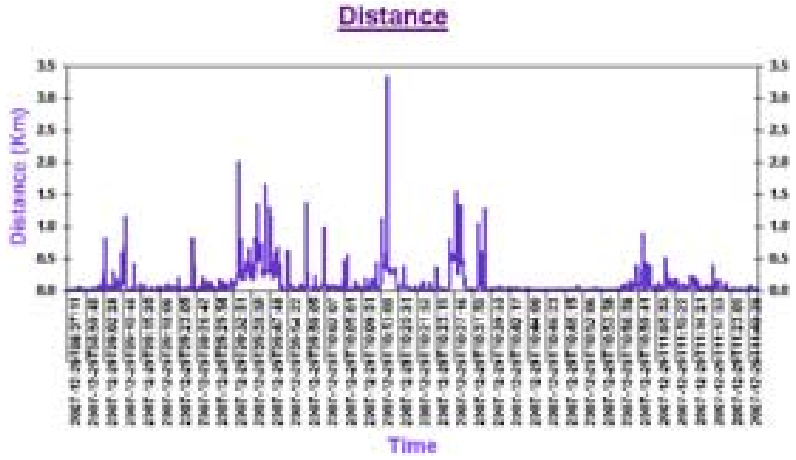
Ⅳ.4.2 高度分佈圖：



Ⅳ.4.3 方向分佈圖：



Ⅳ.4.4 距離分佈圖：

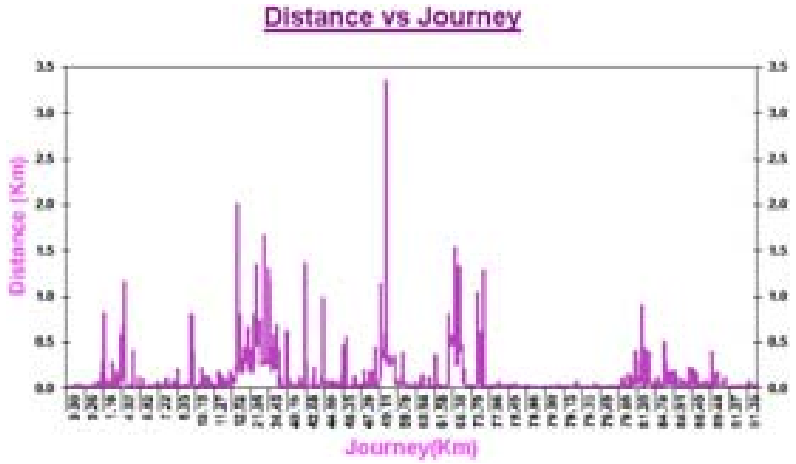


Ⅳ4.5 速度-里程分佈圖：

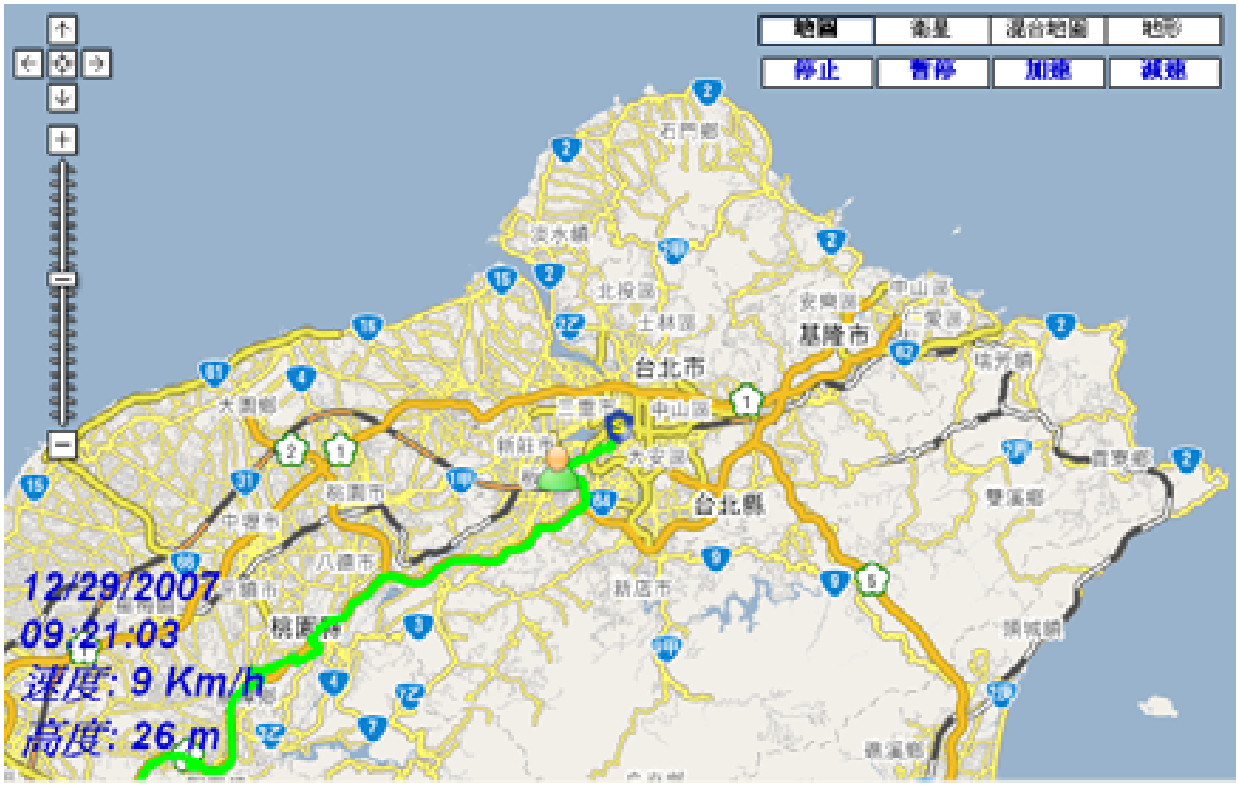
Ⅳ.4.6 高度-里程分佈圖：

Ⅳ.4.7 方向-里程分佈圖：

Ⅳ.4.8 距離-里程分佈圖：

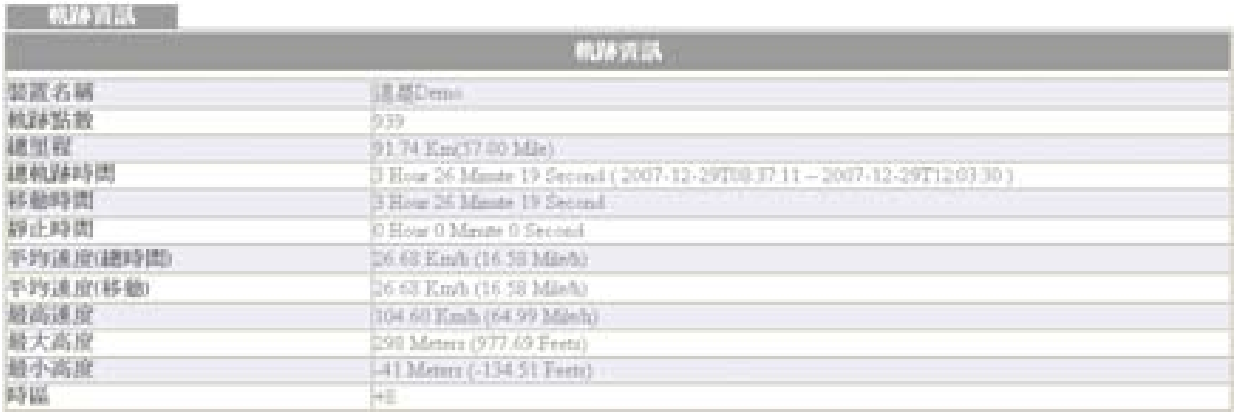


Ⅳ.4.9 軌跡地圖：



Ⅳ.5 按下”製作報告”按鍵以產生軌跡報告（html格式），並自動以瀏覽器開啟該軌跡報告。

報告內容除上述分佈圖與地圖外，尚包含軌跡資訊列表。



Ⅳ.6 按下”儲存報告”按鍵以選擇報告儲存路徑並儲存軌跡報告。

4.7 Google Maps 結合 Panoramio 應用:

Ⅰ.檢視在您的軌跡點附近，所有登錄在Panoramio上的公開照片。

Ⅰ.1 勾選“Panoramio User number”且輸入欄位留空。

Ⅰ.2 按下“轉換”按鍵以將您的軌跡轉換成Google Maps 格式，並自動以瀏覽器開啟。

Ⅰ.3 點選任一在地圖上之軌跡點。

Ⅰ.4 Panoramio會秀出所有位於您點選的軌跡點附近的公開照片。

Ⅱ. 檢視在您點選的軌跡點附近,所有在Panoramio上,屬於您個人的照片。

Ⅱ.1 將您的相片作定位（詳見4.6之Ⅰ）後，按下Panoramio欄位內之“Upload photo to Panoramio”按鍵以連結至Panoramio網站,並上傳您的相片。附註：您必須先註冊並登入Panoramio後方能上傳相片。

Ⅱ.2 回到Win_Tool，勾選“Panoramio User number”並在輸入欄位填入您的Panoramio 使用者編號(您可以從Panoramio上個人頁面的網址列中找到使用者編號；例如：http://www.panoramio.com/user/776586)。

Ⅱ.3 再次按下“轉換”按鍵以將您的軌跡轉換成 Google Maps 格式（含有您的 Panoramio 使用者編號），並自動以瀏覽器開啟。

Ⅱ.4 點選任一在地圖上之軌跡點。

Ⅱ.5 Panoramio即會秀出所有位於您點選的軌跡點附近,您個人上傳的照片。

第七章 TimeMachineX應用簡介

1. 下載並安裝TimeMachineX：

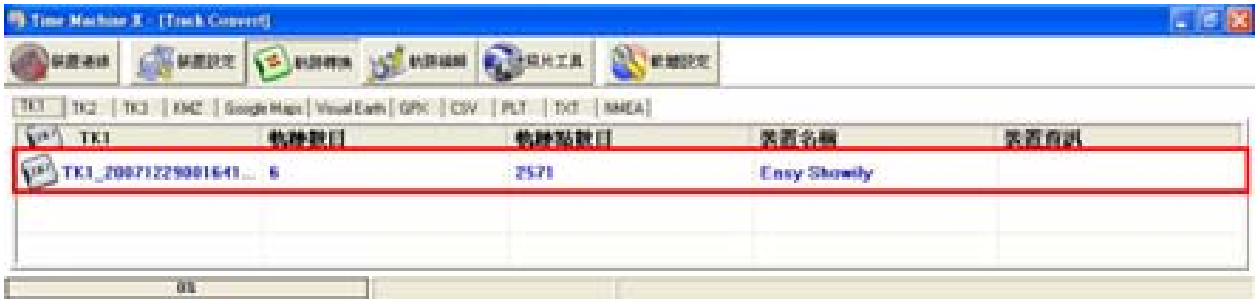
請至本公司網頁（www.wintec.com.tw）下載專區＼GPS產品＼WPL-1000下載並安裝最新版之TimeMachineX。

2. 操作步驟：

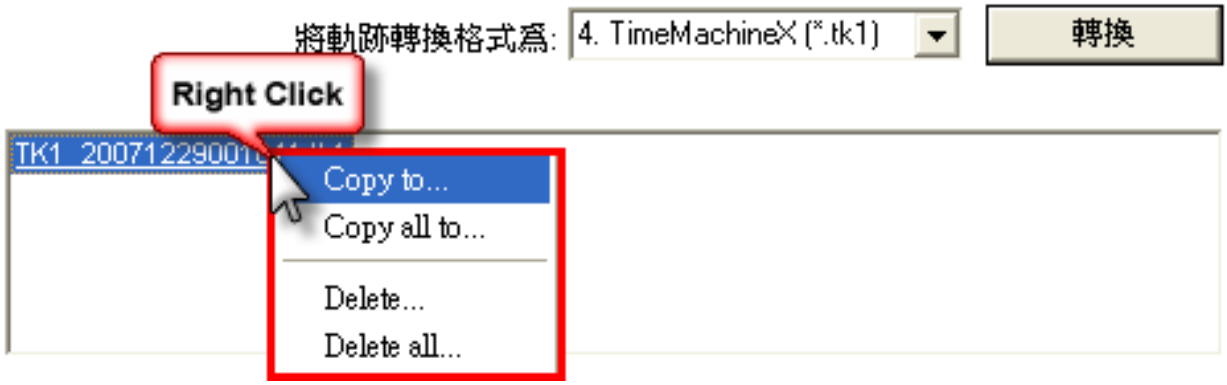
2.1 將EASY SHOWILY插入電腦並執行Win_Tool.

2.2 使用Win_Tool將EASY SHOWILY之軌跡轉換為TimeMachineX之格式（*.tk1）

2.3 執行TimeMachineX並切換至”軌跡轉換頁面”，此時該tk1檔案已出現在TK1欄位中。



NOTE:若該檔案未出現於TK1欄位中，請關閉TimeMachineX並重複步驟2.2或使用手動複製方式，將該tk1檔案複製到PC上TimeMachineX之安裝路徑下之TK1資料夾內（TimeMachineX預設安裝路徑C:\Program Files\Time Machine X\TK1\）



3.TK1軌跡檔轉換

3.1 選擇該tk1檔案後按滑鼠右鍵選擇將軌跡轉換成TK2格式；亦即將軌跡分段。

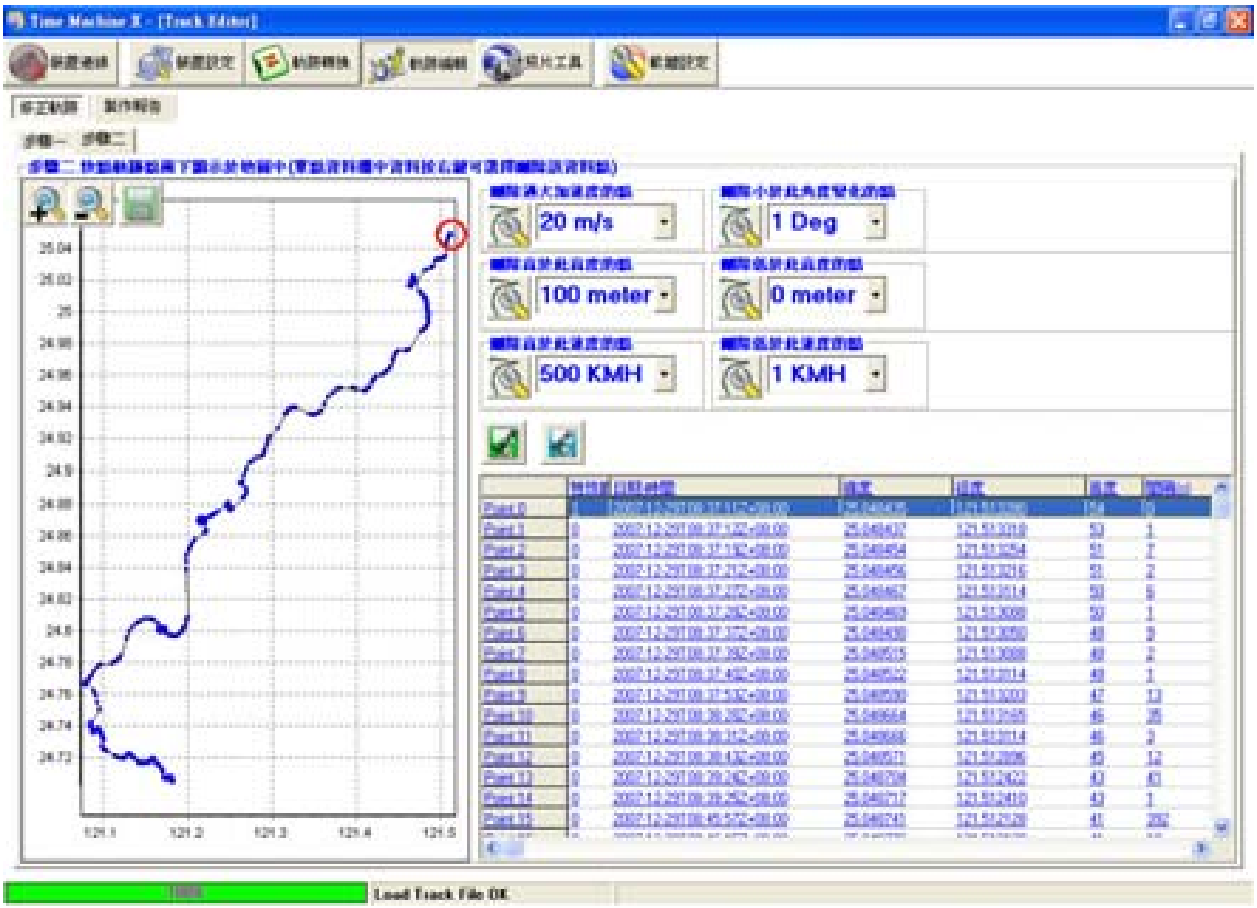
4.軌跡編輯

4.1 需先將軌跡轉換為TK2格式。

4.2 將TimeMachineX切換至軌跡編輯頁面/修正軌跡項目，並選擇欲編輯之TK2軌跡段。

4.3 開始軌跡編輯並於完成編輯後存檔

＊詳細使用說明請詳見TimeMachineX之Q&A



：覆蓋原TK2軌跡檔。

：另存為新的TK2軌跡檔。

5. 製作報告

＊詳細使用說明請詳見TimeMachineX之Q&A

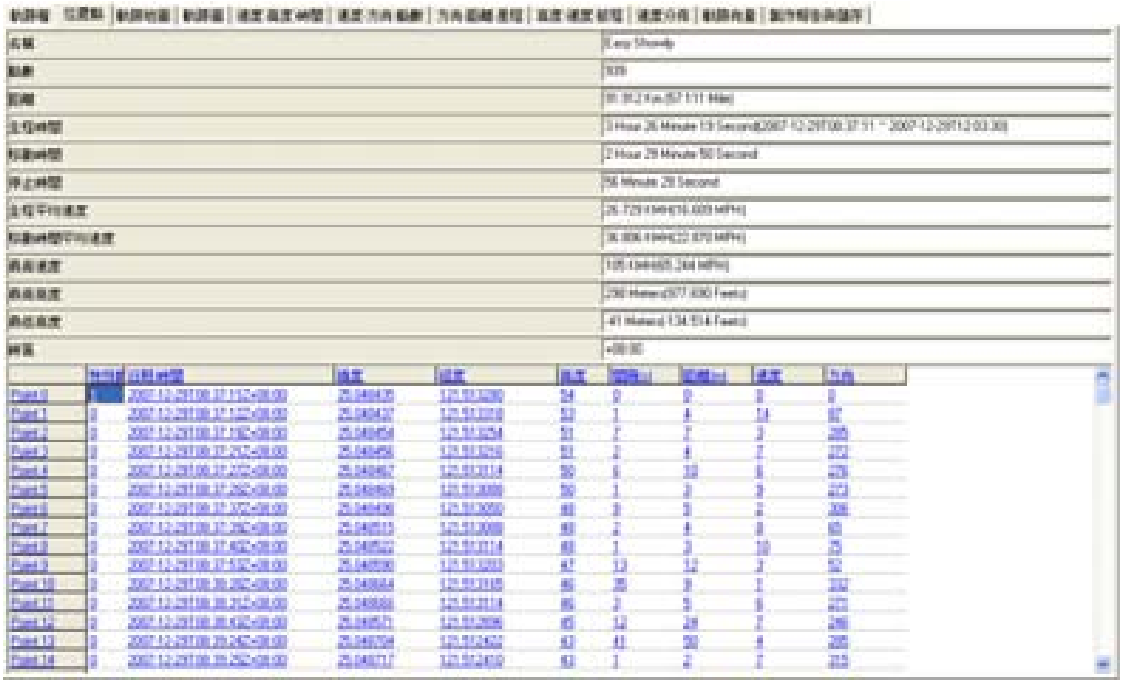
5.1 需先將軌跡轉換為TK2格式。

5.2 將TimeMachineX切換至軌跡編輯頁面/製作報告/軌跡檔項目，並選擇欲編輯之TK2軌跡段

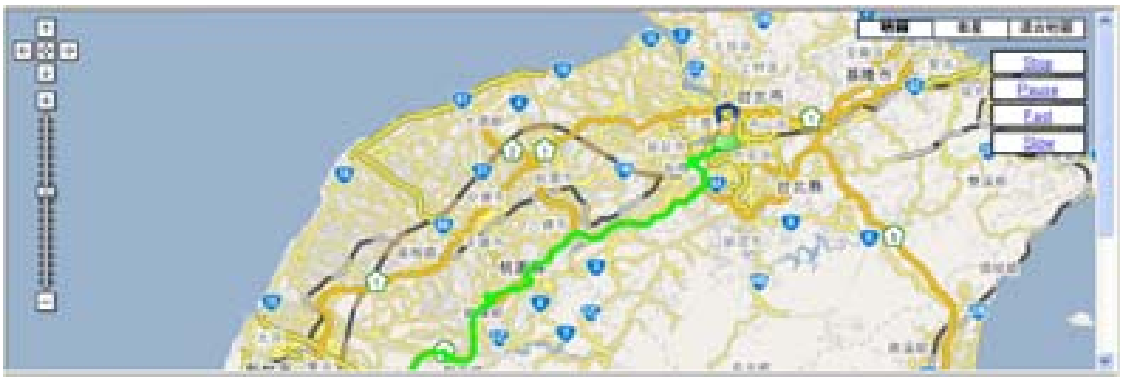
5.3 報告項目預覽：

各分析圖及軌跡地圖分頁皆可選擇是否將圖形及所填入之前言與評論加入至報告內。

5.3.1 位置點：軌跡資訊總覽。

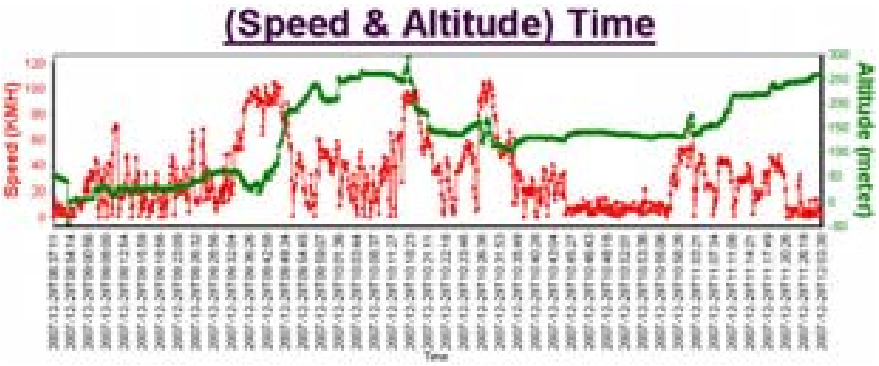


5.3.2 軌跡地圖：

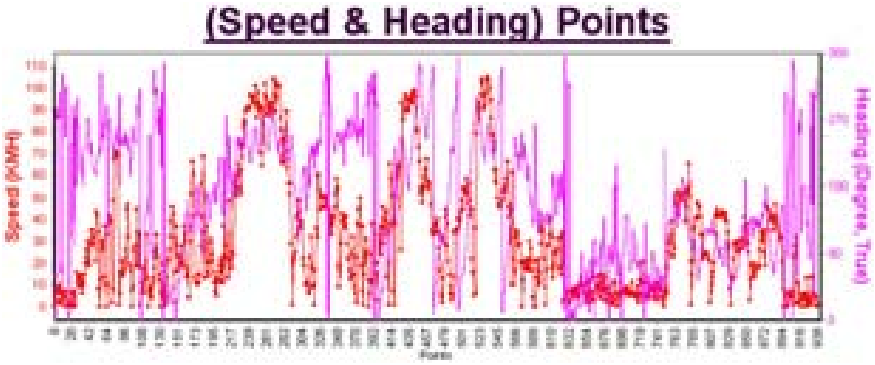


5.3.3 軌跡圖：

5.3.4 速度-高度-時間圖：

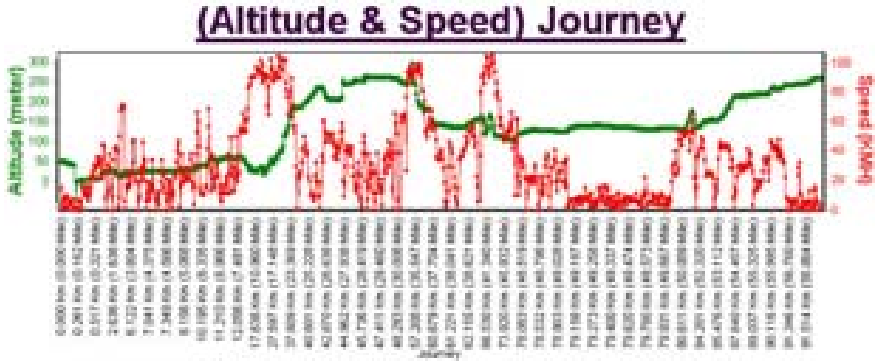


5.3.5 速度-方向-點數圖：



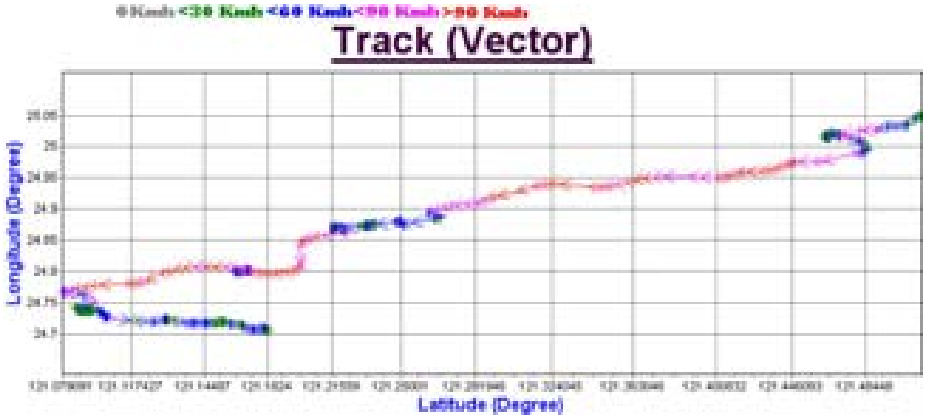
5.3.6 方向-距離-里程圖：

5.3.7高度-速度-旅程圖：



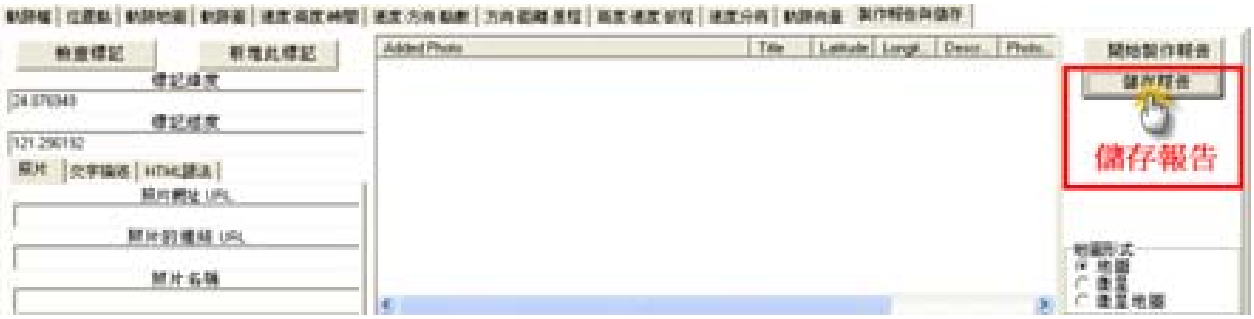
5.3.8 速度分佈圖：

5.3.9 軌跡向量圖：



5.3.10 製作報告與儲存：可於此頁面將網路上的相片加入至地圖及製作報告與儲存報告。

報告製作完成後，可儲存報告。



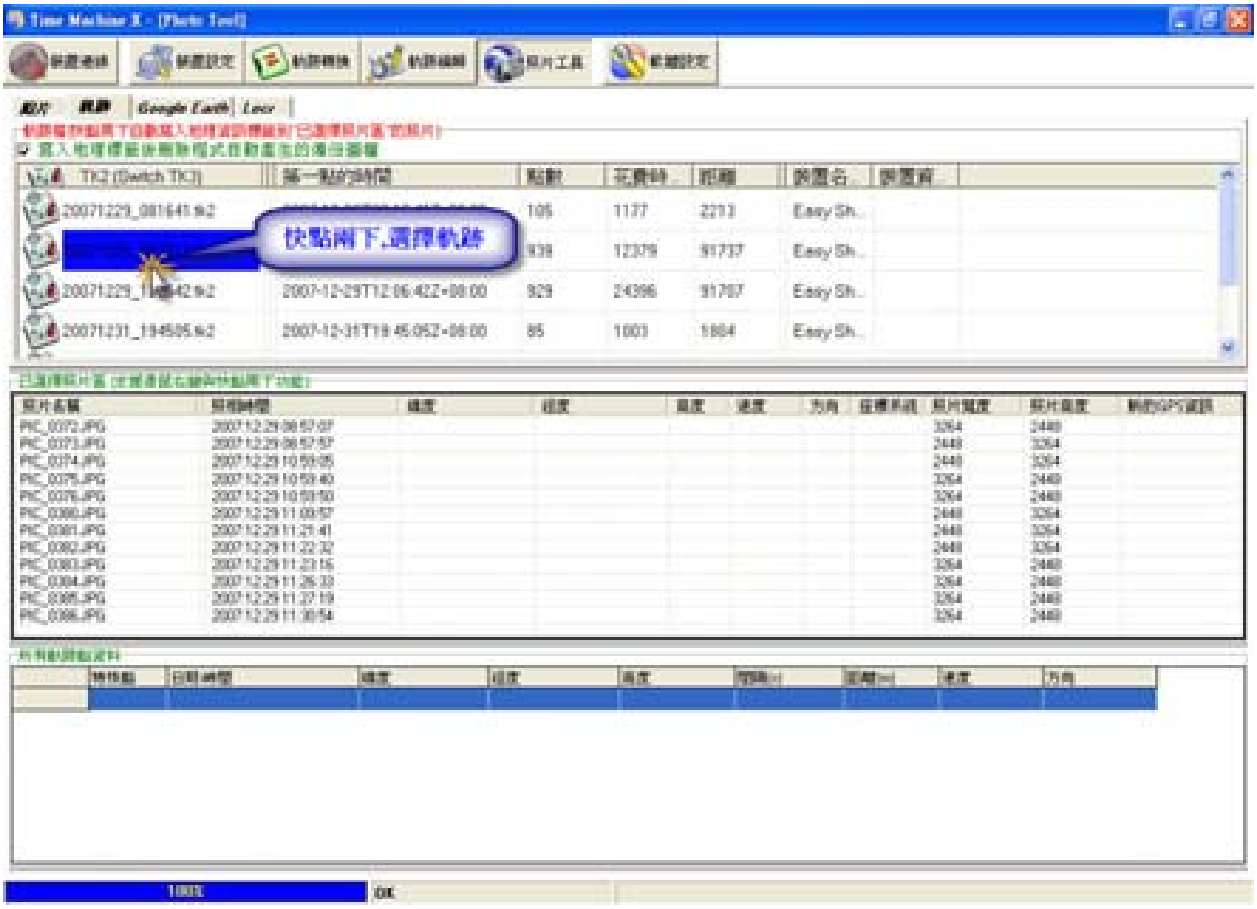
6. Jpeg相片Geotagging:

＊詳細使用說明請詳見TimeMachineX之Q&A

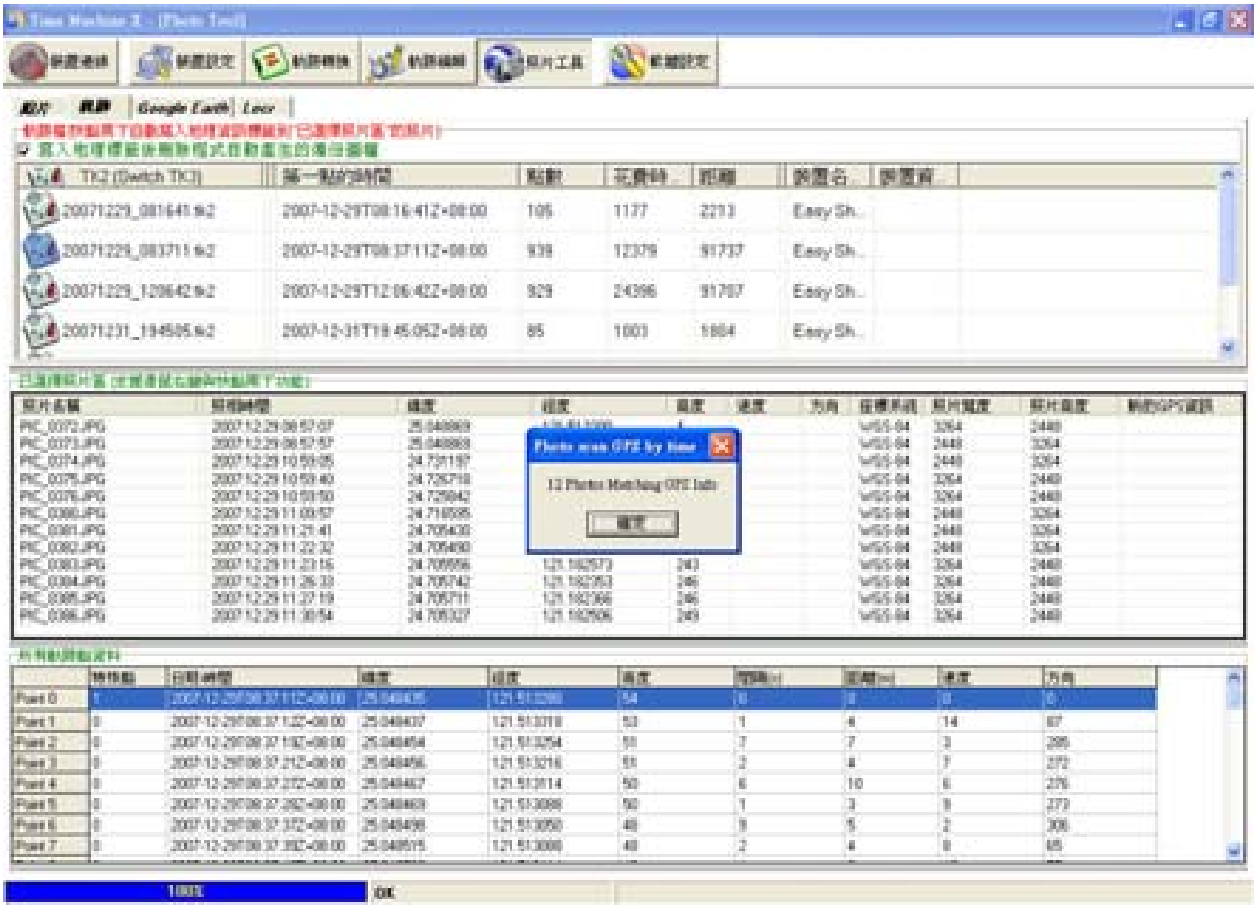
6.1 需先將軌跡轉換為TK2格式。

6.2 將TimeMachineX切換至相片工具頁面/相片項目以選擇欲作GeoTagging之相片。

6.3 將TimeMachineX切換至相片工具頁面/軌跡項目以選擇欲對選入相片作Geotagging之對應TK2軌跡檔。



6.4 選擇軌跡後TimeMachineX會自動依據相片時間對所選擇之相片作Geotagging。

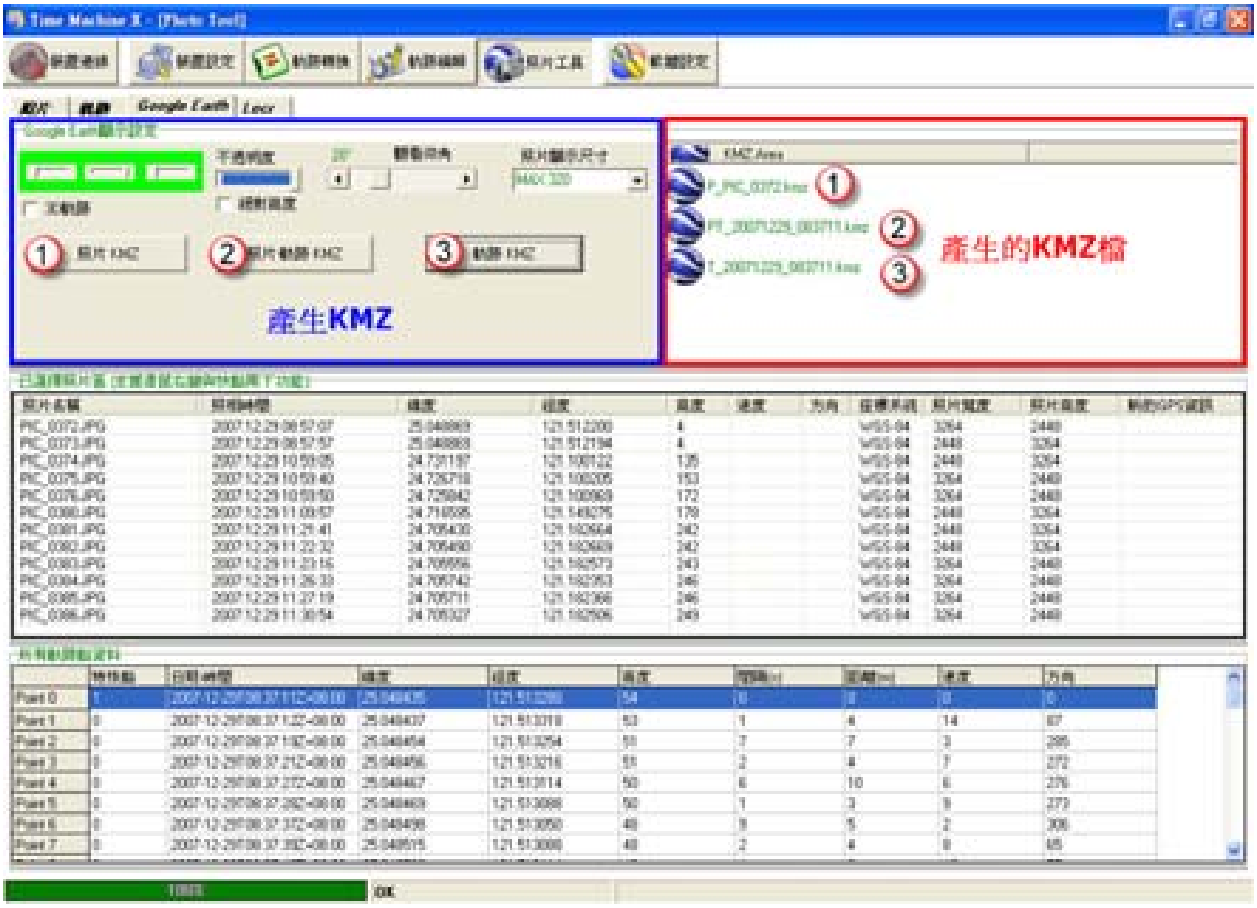


6.5 將已完成Geotagging之相片與對應之軌跡轉換成GoogleEarth格式。

6.5.1 僅含已定位相片之KMZ檔案。

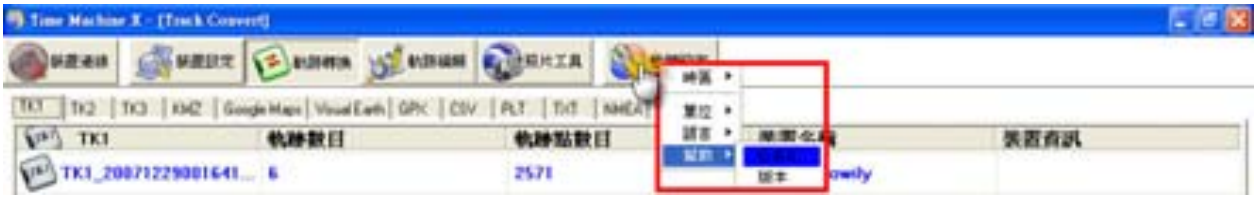
6.5.2 包含已定位相片及選定軌跡之KMZ檔案。

6.5.3 僅含選定軌跡之KMZ檔案。



7.注意事項

7.1 TimeMachineX詳細使用說明請詳見TimeMachineX之Q&A。



7.2 TimeMachineX之裝置設定頁面所有功能皆無法作用於Easy Showily。

第八章 疑難排解

- 當位於隧道、建築物內可能會收不到任何訊號，由於GPS信號理論上來說必須是直線方能收到。
- 在高樓林立的道路、山區樹木遮蔽天空的道路，可能會有收訊不良的情況，雖然Easy Showily可接收反射的甚至很微弱的GPS衛星信號，但是在此狀況下，定位的精確度也勢必會受到一定的影響。
- 若將GPS 接收器置於車內，某些隔熱紙會阻斷GPS 訊號，影響訊號接收品質。由於GPS 衛星是由美國政府所提供，有時因某種因素降低其精準度（如在戰時或刻意封鎖某一區域時），在這種情況下，定位點有可能偏離其正確的位置。
- 假設您在甲地有使用Easy Showily並且定位成功後，當您攜帶Easy Showily且在未使用的情況下移動到乙地（超過500公里），您的Easy Showily可能無法在乙地順利定位，主要是由於GPS接收機根據最後的有效位置、時間、與衛星資料所算出來的甲地的衛星與乙地的當地衛星不同，所以你可能需要較久的時間方能順利定位並更新最後有效位置。
- 當低電壓警示圖示出現時時，請盡速更換電池，低電壓警示後如未更換電池，將使GPS工作效能降低（無法定位、定位精確度下降）或停止工作。
- 定位時請盡量避開同時有兩台以上GPS接收機靠近會影響收訊。
- 使用USB連結電腦時，若無法正常使用內建存取工具存取軌跡時請先拔除裝置後再重新插入裝置。
- 若無法Auto Run請參閱MSDN:
  Enabling and Disabling Auto Run:
  http://msdn2.microsoft.com/en-us/library/Aa969329.aspx

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