

CanWay User'S Manual

2012 December

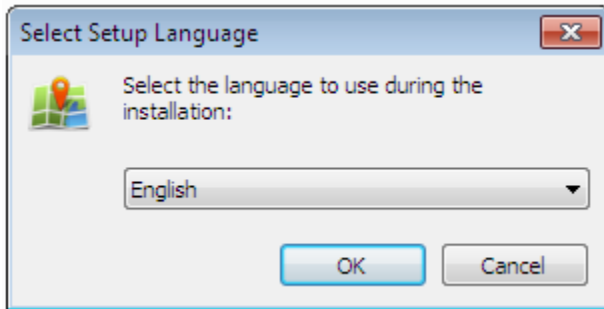
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Install CanWay

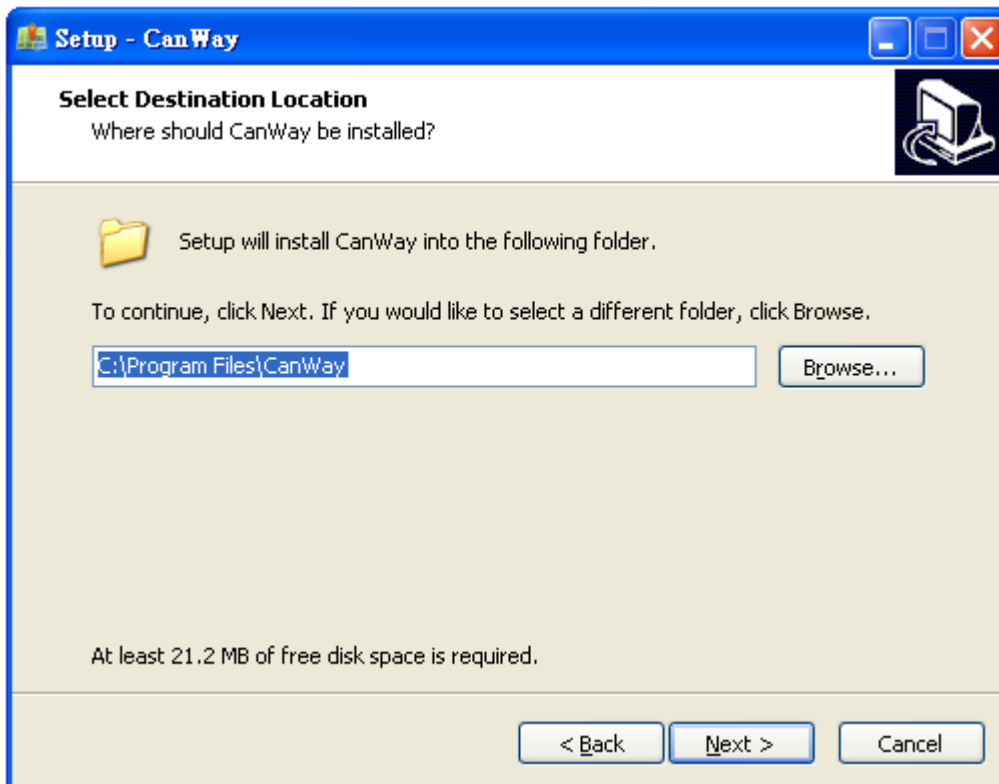
Step 1 – Implement CanWay Installer.exe

Step 2 – select language

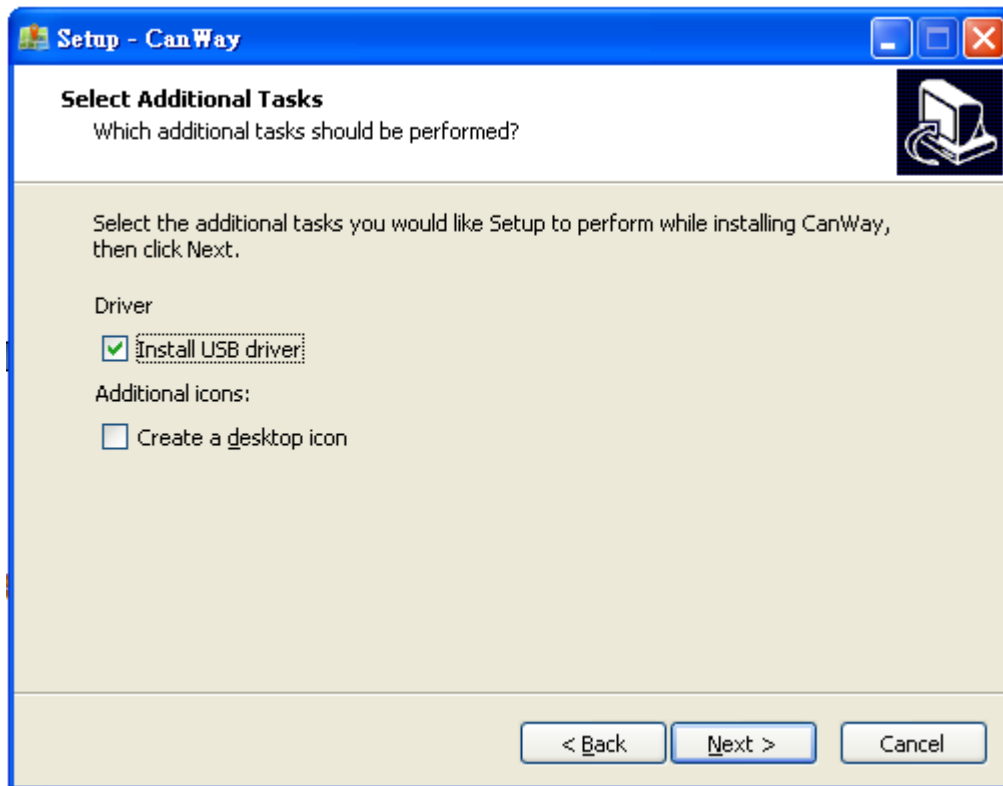


Step 3 – select NEXT

Step 4 – select your folder and click Next



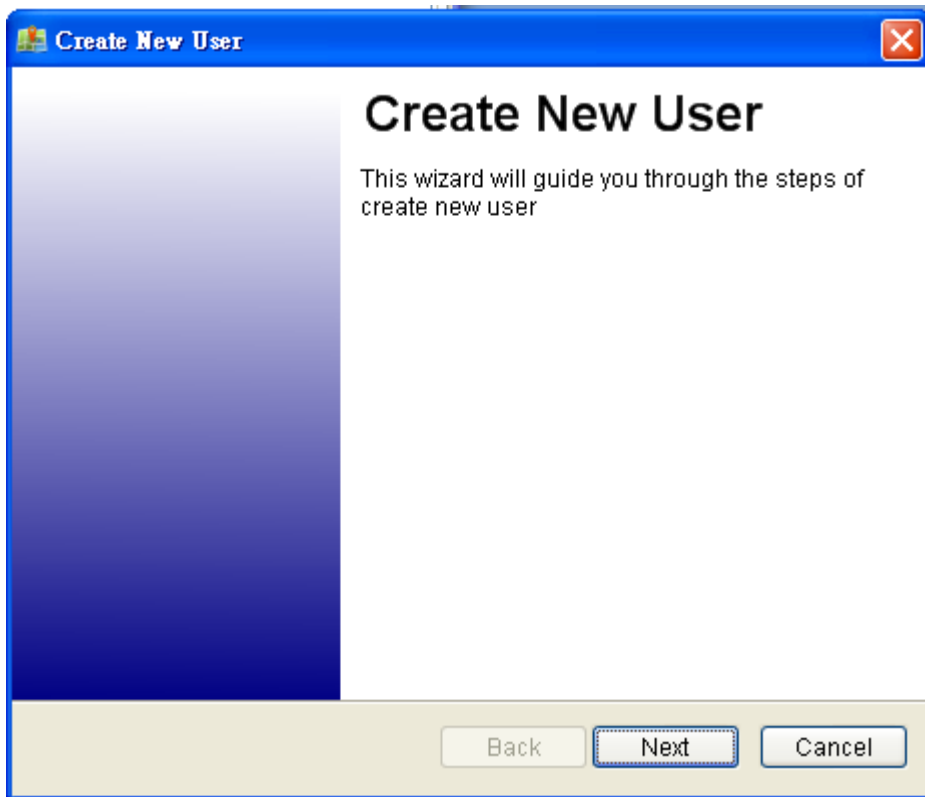
Step 5 – Select Additional Tasks (USB driver) and click Next




Step 6 – click Finish .

Open CanWay and Read GPS Log From Device

Step 1 – open CanWay and import your reference data.




Create New User 


Who are you ?

Please enter your basic personal information 


Name

Sex Male
 Female

Birthday 

Create New User 

Display Unit


choose your default displayed unit settings 

Unit of Measurement


Metric (Meters, Kilometers, Kilograms)
 Imperial (Feet, Miles, Pounds)
 Nautical (Feet, Nautical miles, Pounds)

Show latitude / Longitude

Decimal Degrees
 Degrees, Minutes, Seconds
 Degrees, Decimal Minutes


Create New User 

Calories Setting


Please enter your height and weight 

Height cm

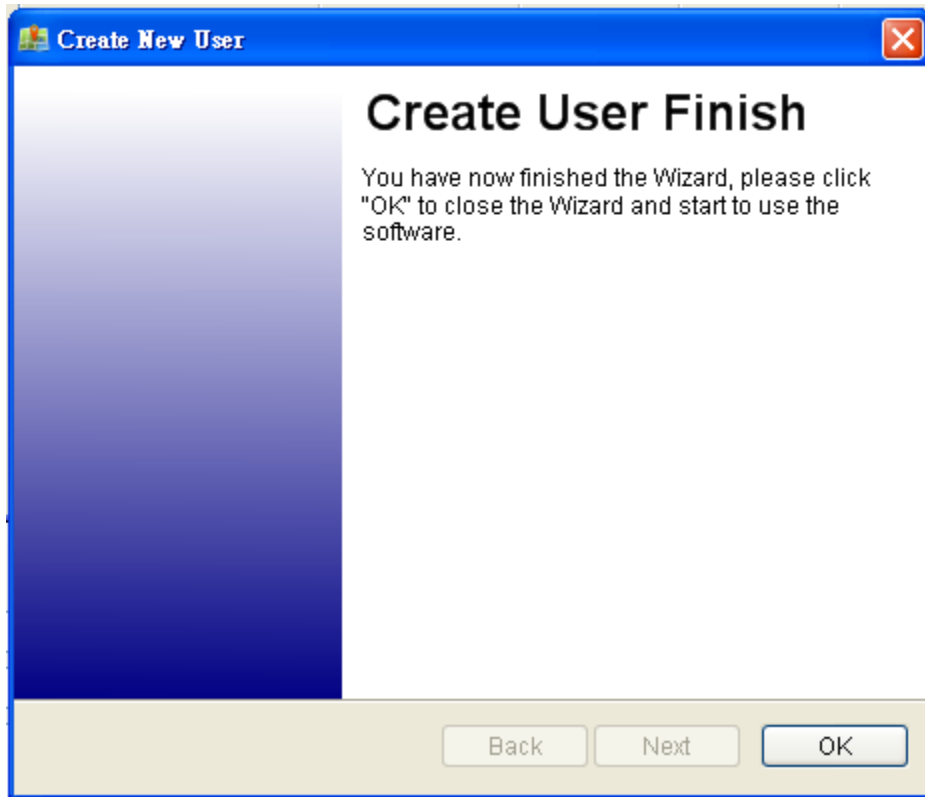
Weight kg

Create New User 

Activity Groups


Choose your activity groups 

- Biking
- Running
- Walking
- Motorcycling
- Swimming
- Canoeing
- Skiing
- Travel
- Other



User management can modify or switch user for “File” -> “user Management” and -> “Switch User”

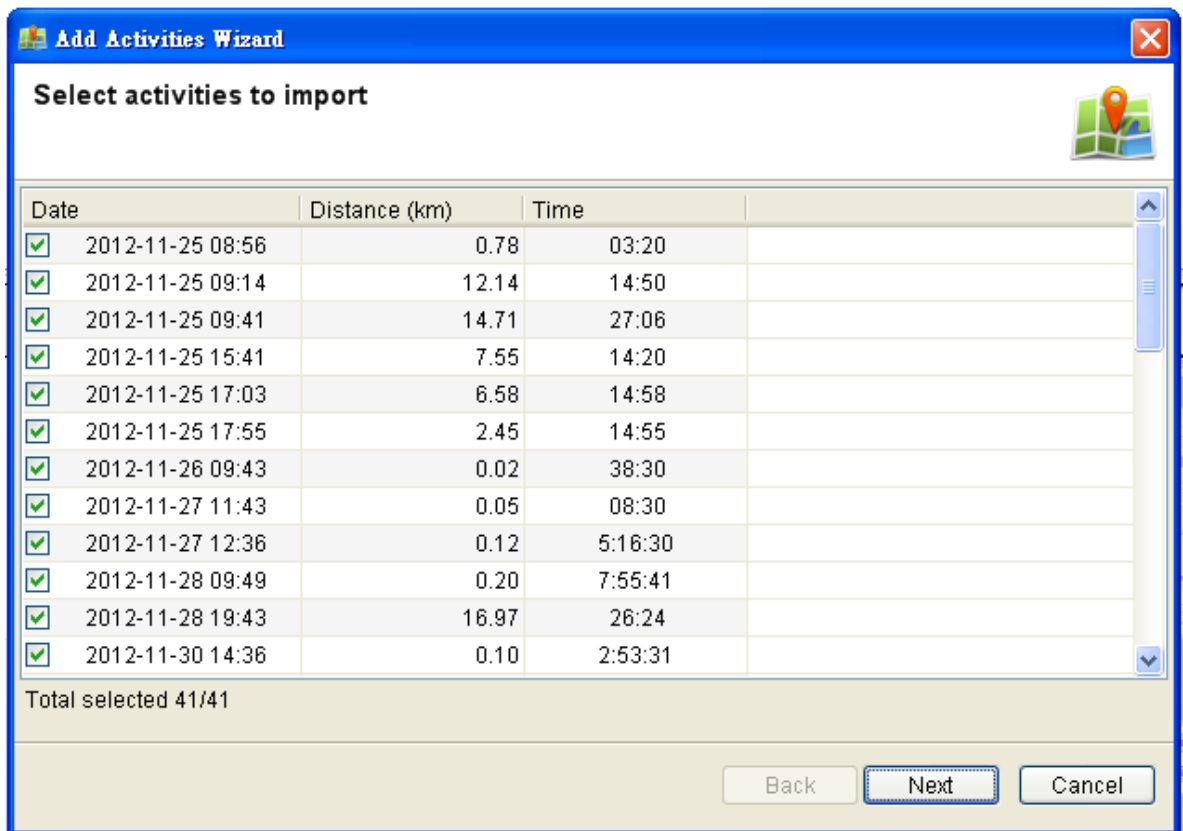
Step 2 – Connect Data Logger system to PC USB port. Please make sure the Data Logger power is turn on.

Step 3 – Menu command “Logger” -> “Download Trip” or click 

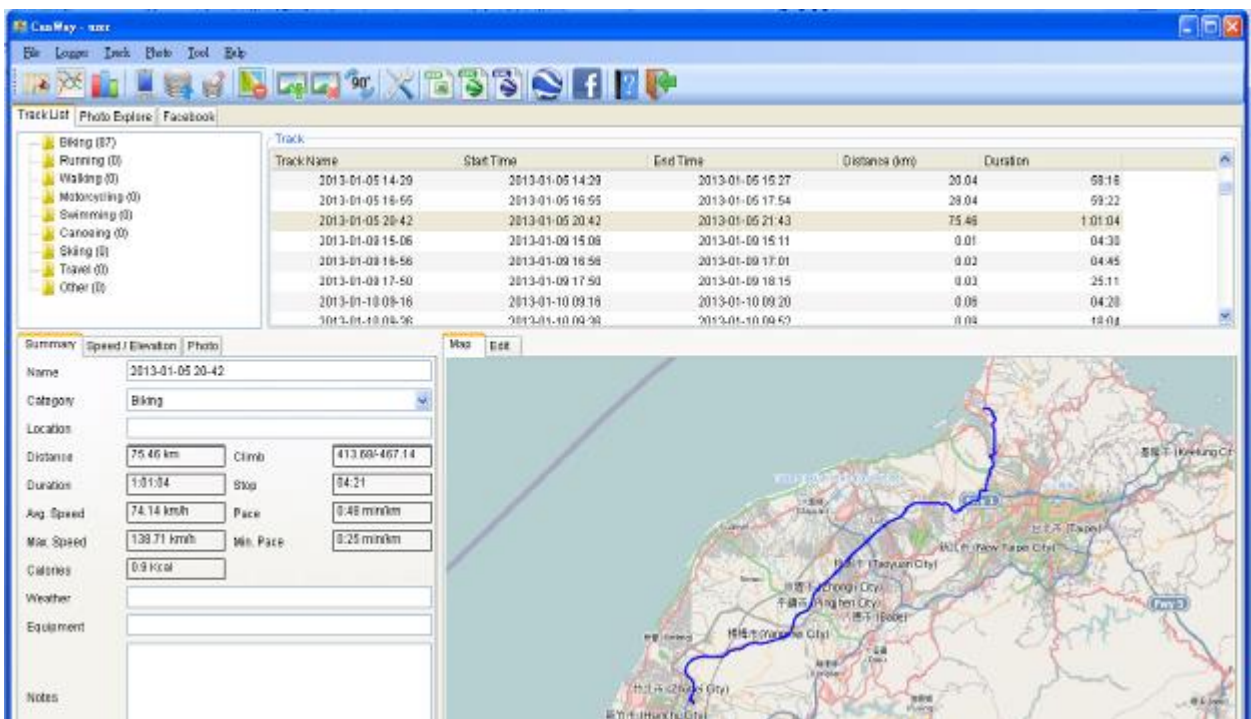
CanWay will automatically detect the com port and baud rate, then read in the GPS tracks.



A track list window will be popped up. Select the tracks to import.

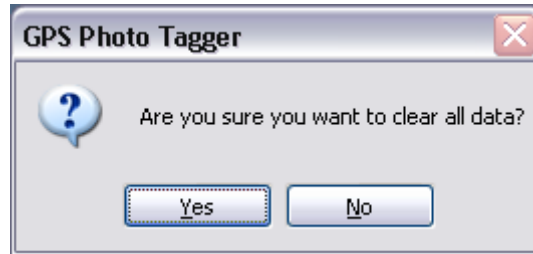


Tracks will be shown on the Map window.



Clear Data Logger Memory

Menu command “Logger” -> “Clear Trip” will clear the data stored in device, so the device memory are enough for next usage.

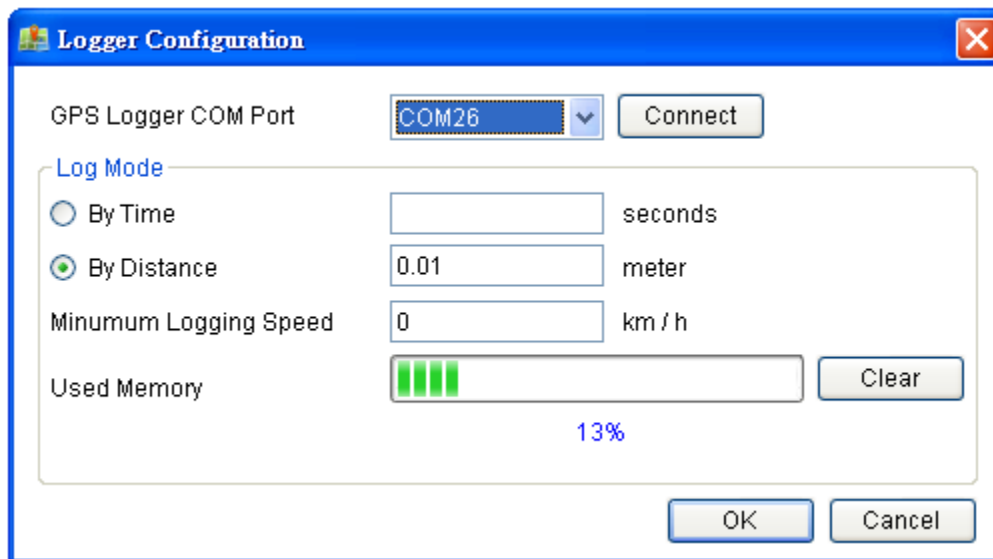


Data Logger Configuration



Connect Data Logger to PC and **turn on Data Logger**. Menu command “Logger” -> “Configuration” If Data Logger is not connected, the GPS Log Setting area will be disabled. Please make sure the Data Logger power switch is turn on when connect.

Connection Setting:



Auto Scan GPS Module (Recommended)

The program will automatically detect the com port and the baud rate. It is recommended to set to auto scan.

GPS Log Configuration

There are 4 log modes: General mode, vehicle mode, cycling mode, and hiking mode. Users can also change the default setting of these 4 modes.

Log mode setting: By Time or Distance

Log By Time (seconds):

Specify the log period. For example, if specify 3 seconds, the GPS device will log every 3 seconds.

Log By Distance (meters):


Specify the log distance. For example, if specify 10 meters, the GPS device will log every 10 meters.

Minimum Logging Speed: over () km/h:

Specify the log speed. For example, if specify 20 km/h, the GPS device will log when the speed is over 20 km/h.

Note: GPS device will log only when the log period or log distance, and meet the log speed with the criteria.

Data Log Memory


A bar show how many percentage of memory is used in the Data Logger device. Users can use “Clear Trip”  to clear all the memory.

When data logger memory is full , the device will stop logging. please clear the memory.

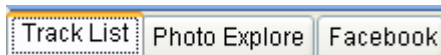
Track List Window

Select Track line, Map window will animate the whole trip by moving the current position. And also display the summary data, graph window and photo information.

Track Name	Start Time	End Time	Distance (km)	Duration
2012-11-25 08-56	2012-11-25 08:56	2012-11-25 08:59	0.78	03:20
2012-11-25 09-14	2012-11-25 09:14	2012-11-25 09:29	12.14	14:50
2012-11-25 09-41	2012-11-25 09:41	2012-11-25 10:08	14.71	27:06
2012-11-25 15-41	2012-11-25 15:41	2012-11-25 15:56	7.55	14:20
2012-11-25 17-03	2012-11-25 17:03	2012-11-25 17:18	6.58	14:58
2012-11-25 17-55	2012-11-25 17:55	2012-11-25 18:10	2.45	14:55
2012-11-26 09-43	2012-11-26 09:43	2012-11-26 10:22	0.02	38:30
2012-11-27 11-43	2012-11-27 11:43	2012-11-27 11:51	0.05	08:30
2012-11-27 12-36	2012-11-27 12:36	2012-11-27 17:52	0.12	5:16:30
2012-11-28 09-49	2012-11-28 09:49	2012-11-28 17:45	0.20	7:55:41
2012-11-28 19-43	2012-11-28 19:43	2012-11-28 20:09	16.97	26:24
2012-11-30 14-36	2012-11-30 14:36	2012-11-30 17:30	0.10	2:53:31
2012-12-01 08-03	2012-12-01 08:03	2012-12-01 09:39	74.47	1:35:54
2012-12-02 16-01	2012-12-02 16:01	2012-12-02 17:04	62.47	1:03:52
2012-12-03 09-53	2012-12-03 09:53	2012-12-03 09:58	0.00	04:24

User can clear track from “Track” -> “Delete Track” or click 

TAB List Window



1. Select Track List , and select your Track . you can change Category for other sport.

Summary | Speed / Elevation | Photo

Name: 2013-01-05 20:42

Category: Biking

Location:

Distance: 75.46 km Climb: 413.68/467.14

Duration: 1:01:04 Stop: 04:21

Avg. Speed: 74.14 km/h Pace: 0:48 min/km

Max. Speed: 138.71 km/h Min. Pace: 0:25 min/km

Calories: 0.9 Kcal

Weather:

Equipment:

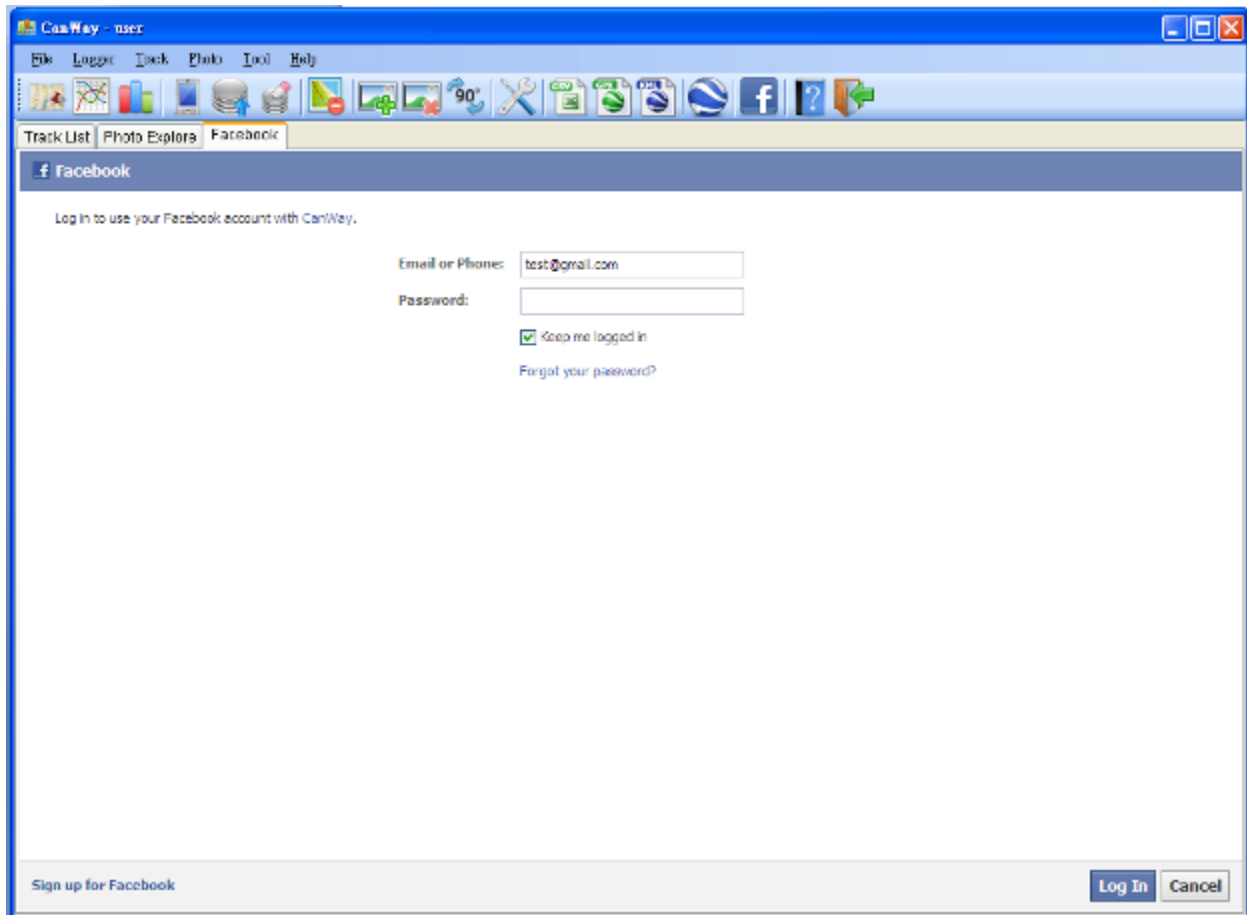
Notes:

2. Select Photo Explore .User can find photo list.

The screenshot shows the 'Photo Explore' tab in the CasWay application. It features a photo gallery on the left, a map of the route below it, and a metadata table on the right. The metadata table lists the following details:

Tag	Value
Make	SAMSUNG
Model	GT-N7100
Exposure Time	0.01
FNumber	2.60
ISO	80
DateTimeOriginal	20121230 16:24:10
FocalLength	3.70

3. Select Facebook .User can login Facebook.

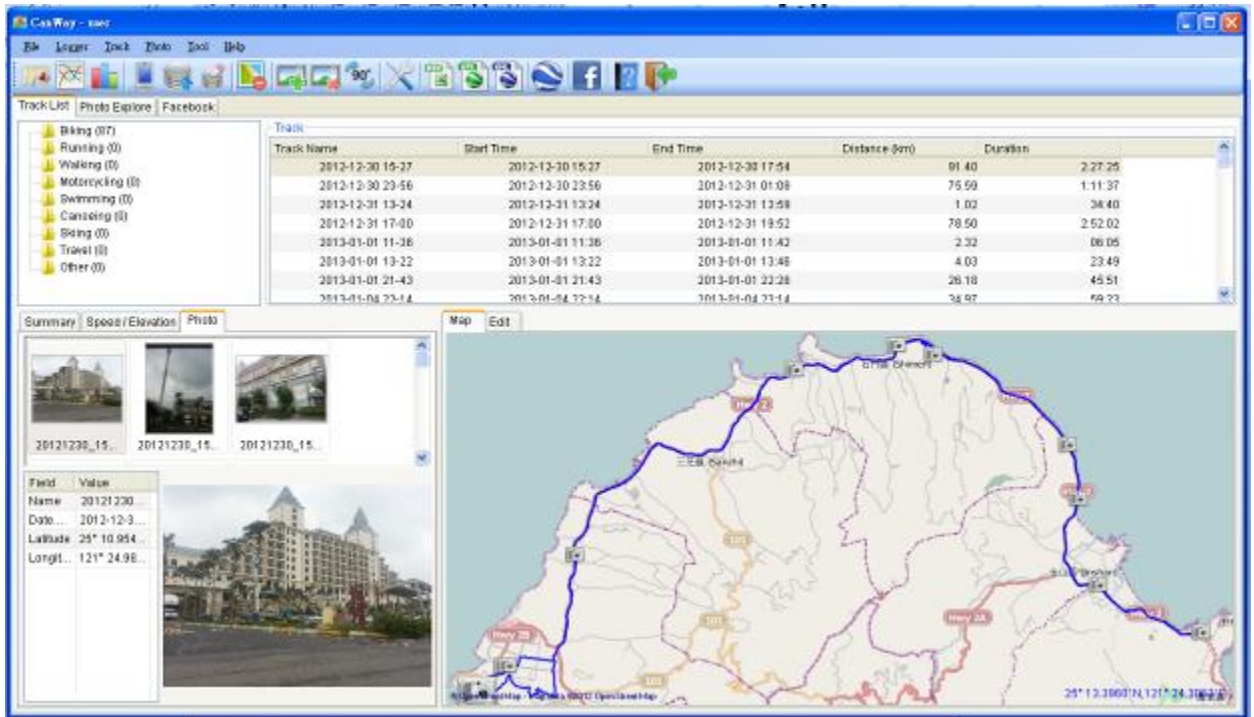


Add Photos

Users can add photo from a file folder.

Add photo from a folder: Menu command "Photo" -> "Add Photo..." -> "From Folder". Select a folder to add photo.

The photo will show on the Photo View window. Users can add comments to each photo. Users can also rotate, delete photo.



When photos are added, CanWay will automatically match photo and GPS logged waypoints by time. Place marks will be created as a placeholder for photos.

Browse photos

Click on the “next photo” and “prev photo” buttons to browse the photos.

Current photo and current place mark will be synchronized.

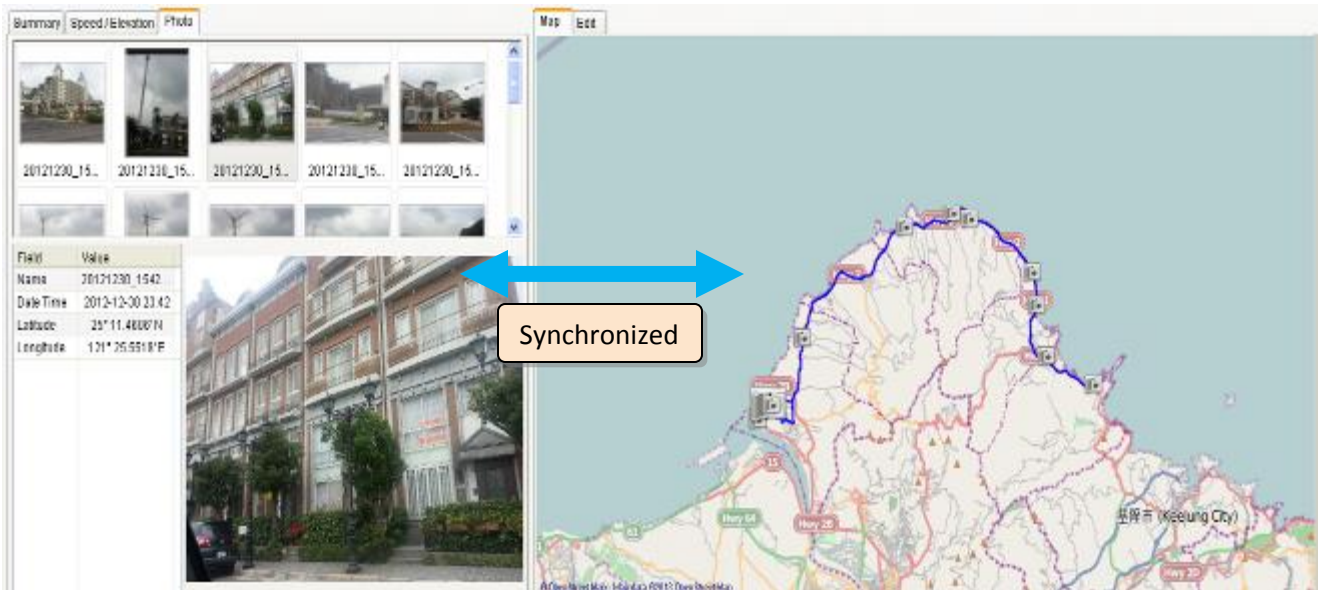



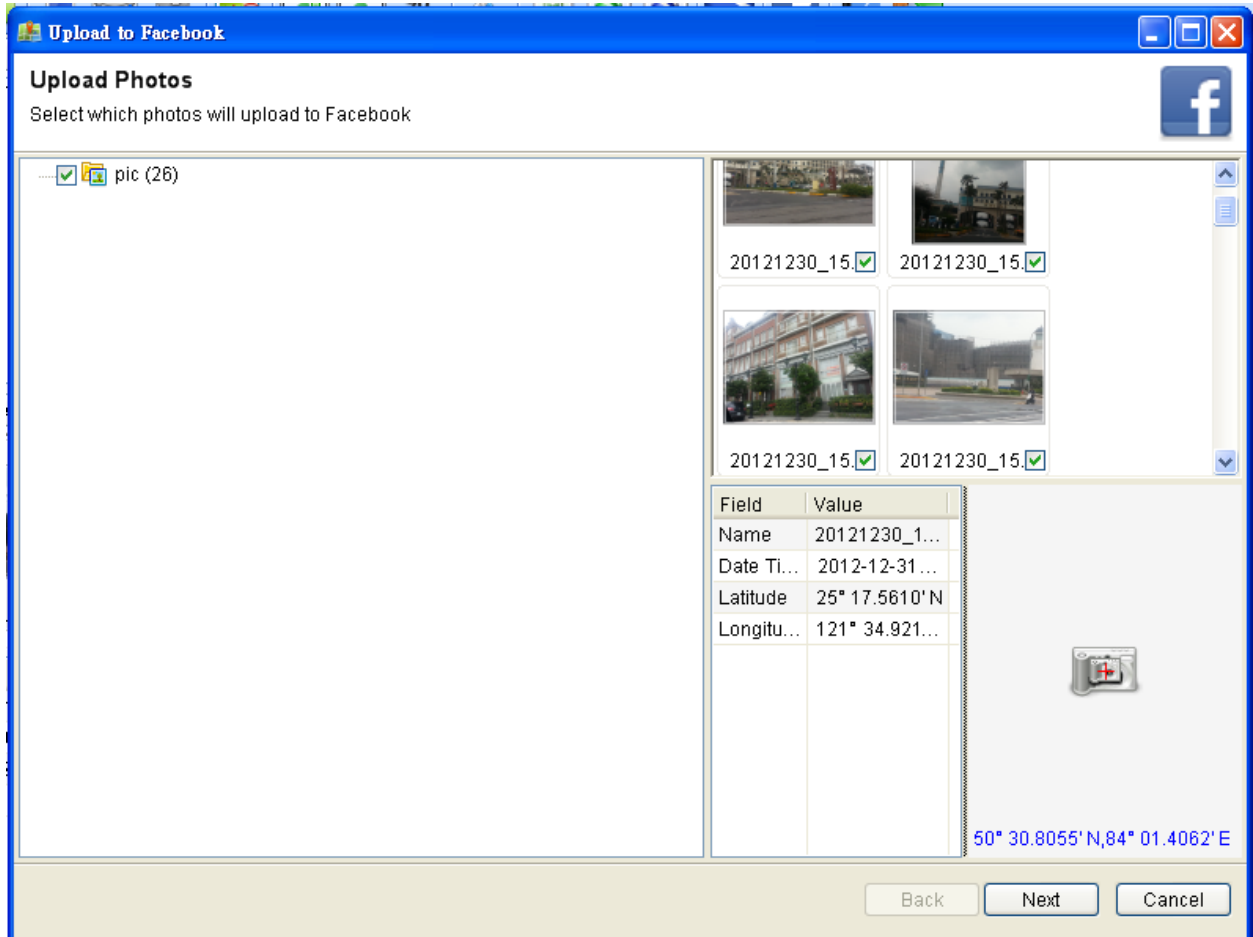
Photo List Window

Photo list window will show the attributes of photos. The information includes “file name”, “date”, “place mark”, “latitude”, and “longitude”.

Field	Value
Name	20121230_1536...
Date Time	2012-12-30 23:36
Latitude	25° 10.9548' N
Longitude	121° 24.9870' E

Upload Photos to face book.

ICON  > "Upload Photos facebook" , Select picture and Click next.

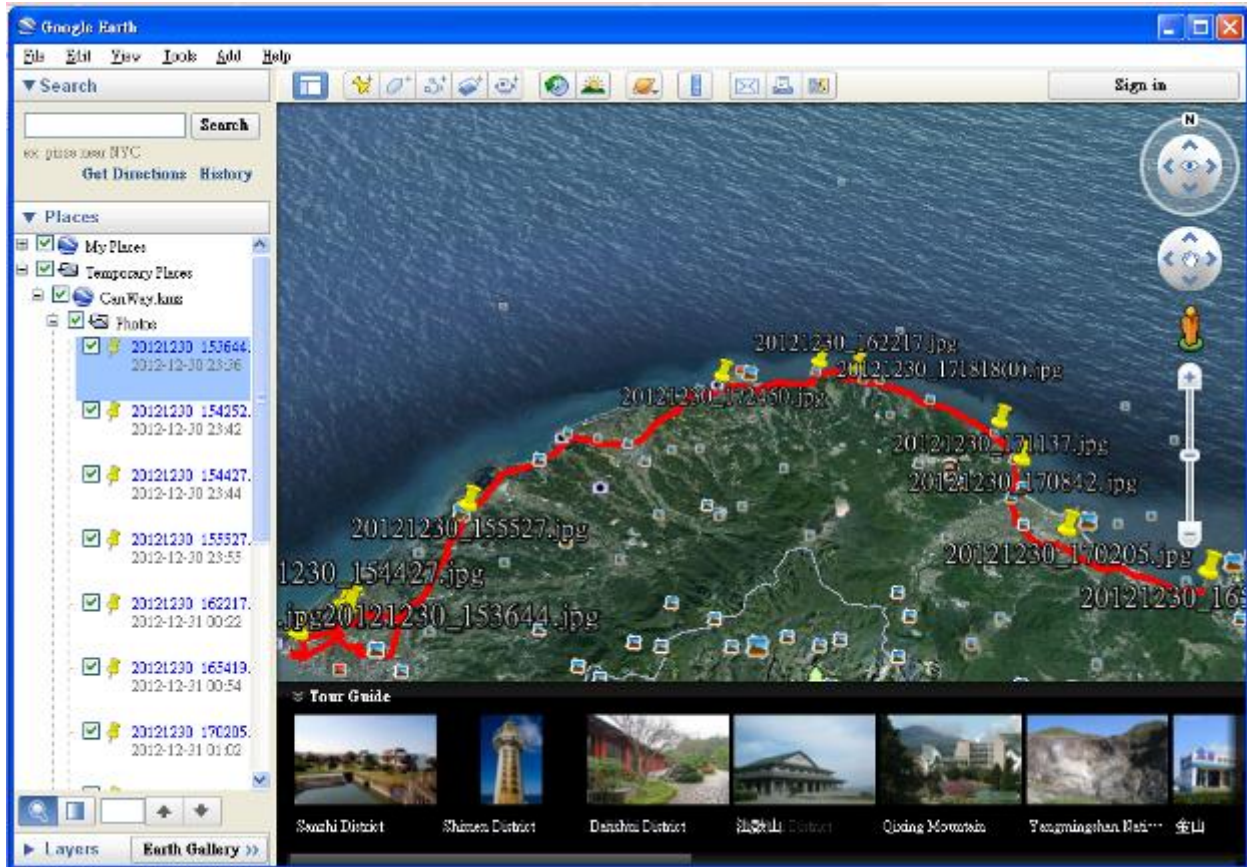


Google Earth Viewing



Command “File” -> “View in Google Earth” will invoke Google Earth to view the tracks and photos. Users have to install the Google earth.

<http://earth.google.com/>



Save As KML File and KMZ

Menu command “File” -> “Export as Kml...” to save the tracks and photos in kml file. You can import kml file to Google Earth. You can also send kml file to friends to share their trips with friends as long as they have installed Google Earth on their computers.

Export Track(s)...

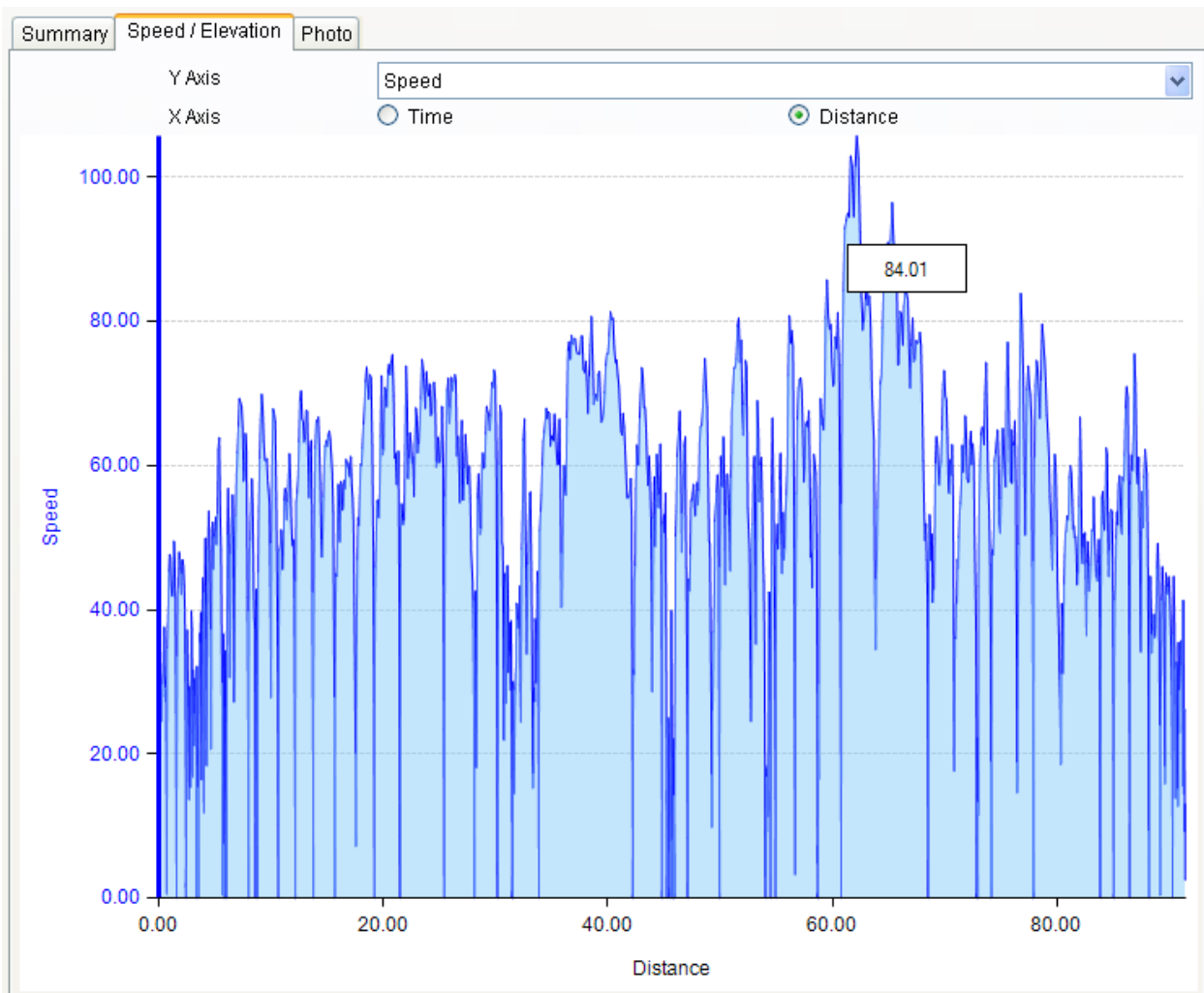
Menu command “File” -> “Export Track(s)...”

Step 1. Select the tracks to export.

Step 2. Select the export file format. “CSV”, “GPX”, “NMEA Text”, “Google Earth KML”, and “Google Earth KMZ” file formats are supported.

Altitude / Speed Graph

Switch to “Speed/Elevation View” window will show the Elevation and speed graph. You can change the Y Axis or X Axis data unit with the graph.



Track Editing

Select Track line, Switch “Editor” on the map window. Move the cursor on the track will show the preselected waypoint time. Click on track to select the whole track.



Use      for edit your Track.

Time Zone Setting

There are two time zone settings in “CanWay”. One is “**Photo time zone**”, the other is “**Display time zone**”. “**Photo time zone**” is set to the same time zone of your digital camera. The “**Display time zone**” is set for displaying purpose. For example, If you are an Englishman and you travel to United State. The “**Photo time zone**” should be set to “England” because your digital camera time zone is in England, and the display time zone should be set to “United State”.

The “**Photo time zone**” by default is set to the PC default value. In most of the case the default value is correct.

User can set up Track Time Zone . Click on track to select track List > Summary> Time Zone.

The screenshot shows the CasWay software interface. The 'Track List' tab is active, displaying a list of tracks. The selected track is '2012-12-30 15-27'. The 'Summary' tab is also visible, showing details for this track, including the time zone set to '(GMT+08:00) Taipei'.

Track Name	Start Time	End Time	Distance (km)
2012-12-30 15-27	2012-12-30 15:27	2012-12-30 17:54	91.40
2012-12-30 23-58	2012-12-30 23:58	2012-12-31 01:08	75.59
2012-12-31 13-24	2012-12-31 13:24	2012-12-31 13:58	1.02
2012-12-31 17-00	2012-12-31 17:00	2012-12-31 19:52	78.50
2013-01-01 11-36	2013-01-01 11:36	2013-01-01 11:42	2.32
2013-01-01 13-22	2013-01-01 13:22	2013-01-01 13:46	4.03
2013-01-01 21-43	2013-01-01 21:43	2013-01-01 22:28	26.18

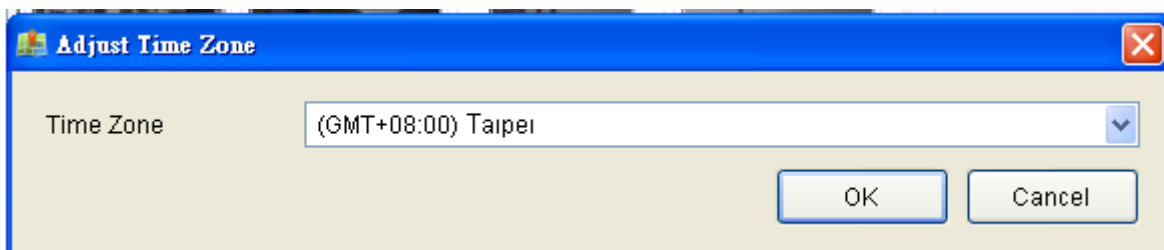
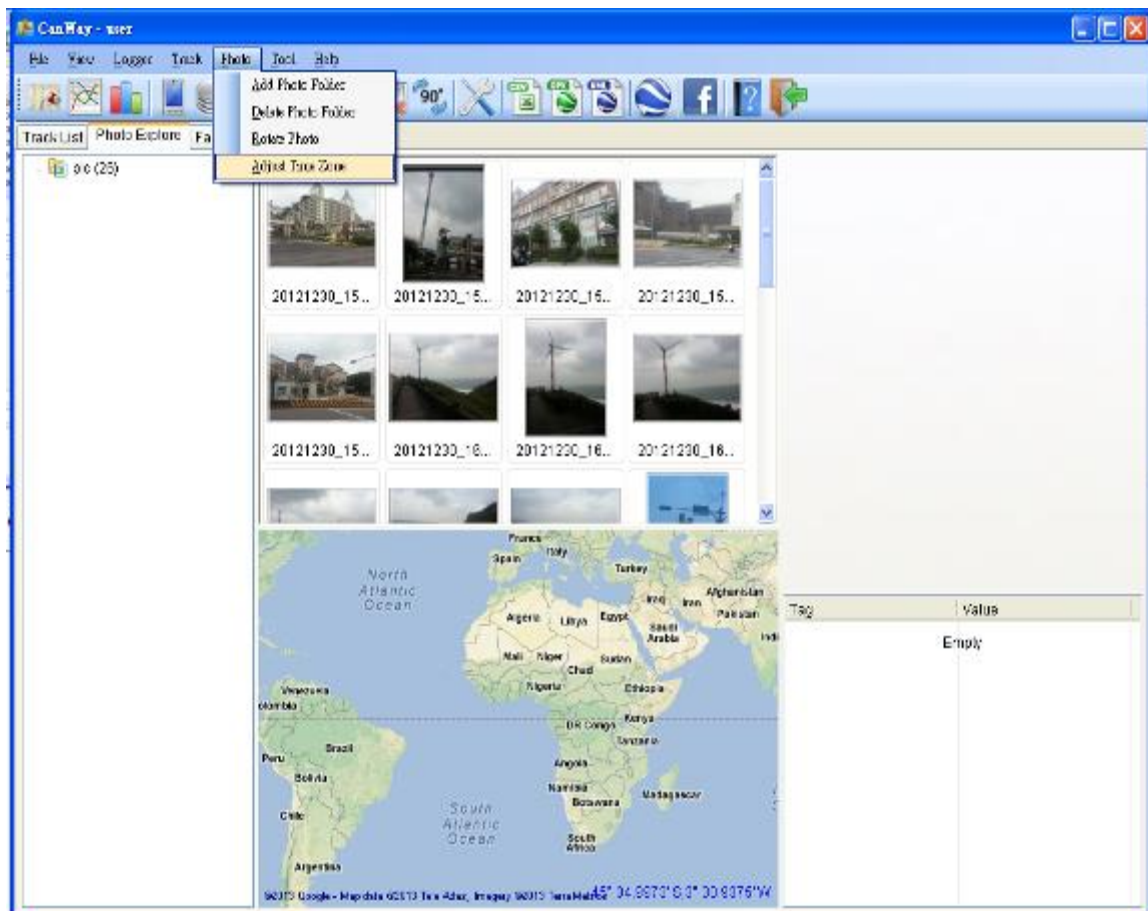
Summary | Speed | Elevation | Photo

Name: 2012-12-30 15-27
 Category: Biking
 Time Zone: (GMT+08:00) Taipei
 Location:
 Distance: 91.40 km | Climb: 563.34+539.54
 Duration: 2:27:25 | Stop: 30:07
 Avg. Speed: 37.20 km/h | Pace: 1:38 min/km
 Max. Speed: 105.73 km/h | Min. Pace: 0:34 min/km
 Calories: 2.0 Kcal
 Weather:
 Equipment:
 Notes:

Map | Edit

The map shows a blue cycling route around the Taipei area, including landmarks like New Taipei City, Taipei City, and various districts like Beitou, Beitou, and Beitou. The map includes a scale bar and coordinates: 25° 21.4978' N, 121° 25.9730' E.

User can set up Photo Time Zone . Click on track to select Photo Explore>pic>Photo>Adjust Time Zone

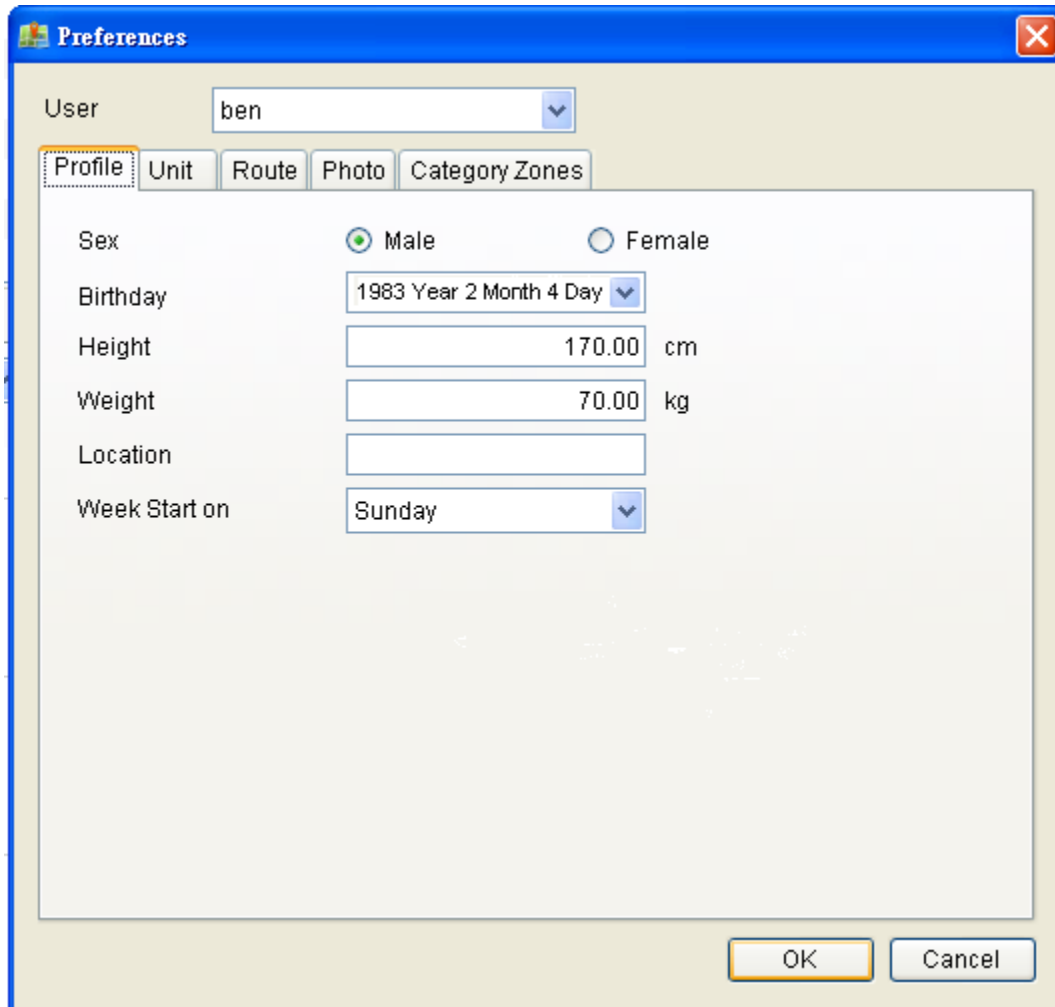


Options

Menu command “Tools” > “Options...”

Profile :

Data : Sex , Birthday , Height , Weight , Location, Week Start on



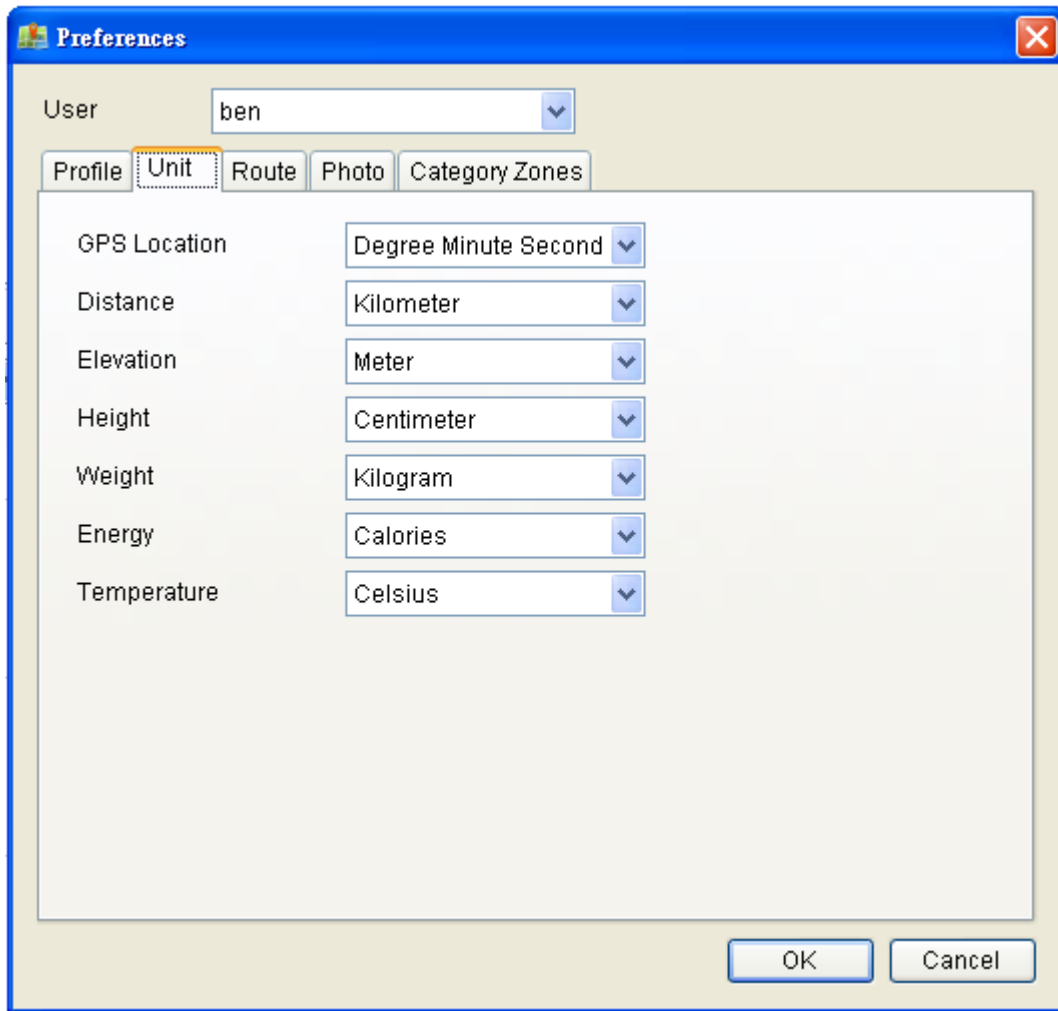
The image shows a screenshot of a software preferences dialog box titled "Preferences". The "User" field is set to "ben". The "Profile" tab is selected, showing the following settings:

Field	Value
Sex	<input checked="" type="radio"/> Male <input type="radio"/> Female
Birthday	1983 Year 2 Month 4 Day
Height	170.00 cm
Weight	70.00 kg
Location	
Week Start on	Sunday

At the bottom right of the dialog box are "OK" and "Cancel" buttons.

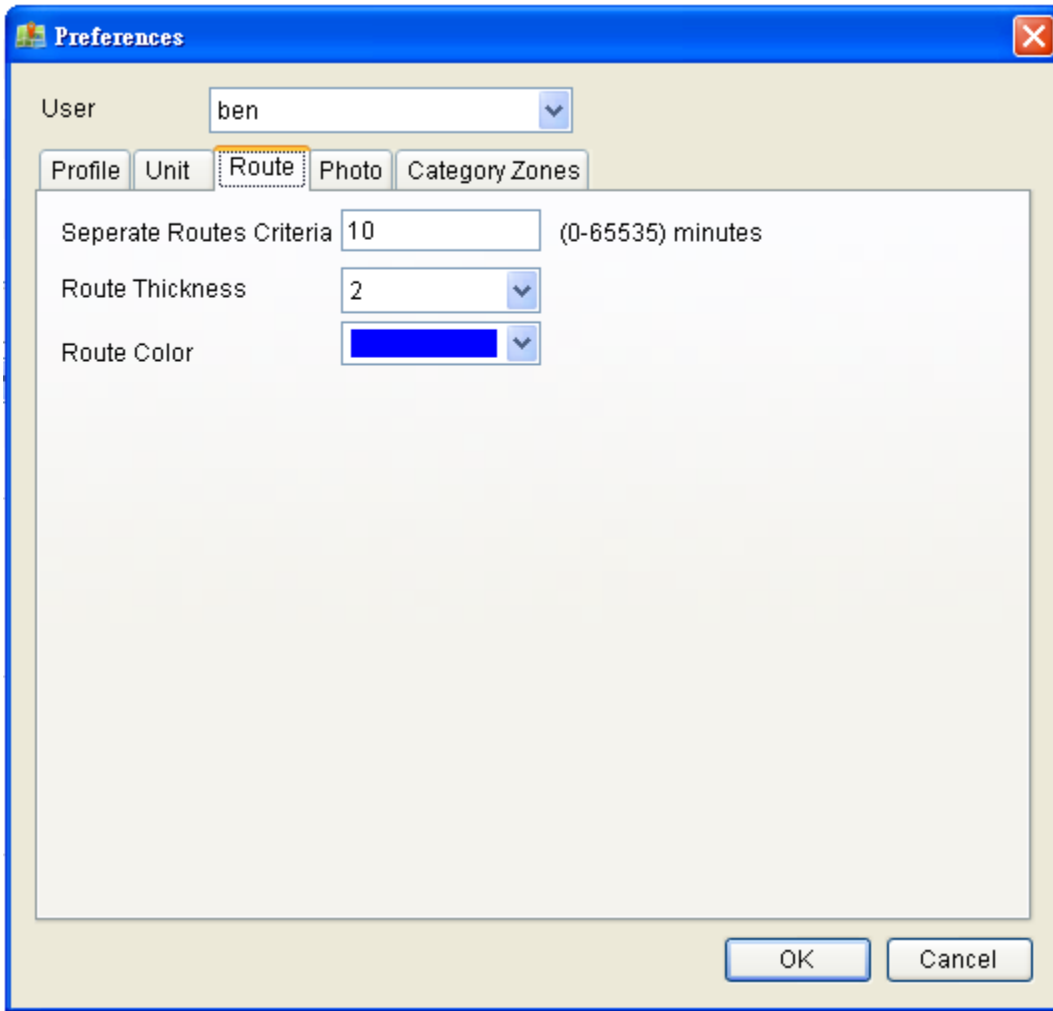
Distance unit:

Data : .GPS Location , Distance , Elevation , Height , Weight , Energy , Temperature



Route:

Data : Separate Routes Criteria , Route Thickness , Route Color .



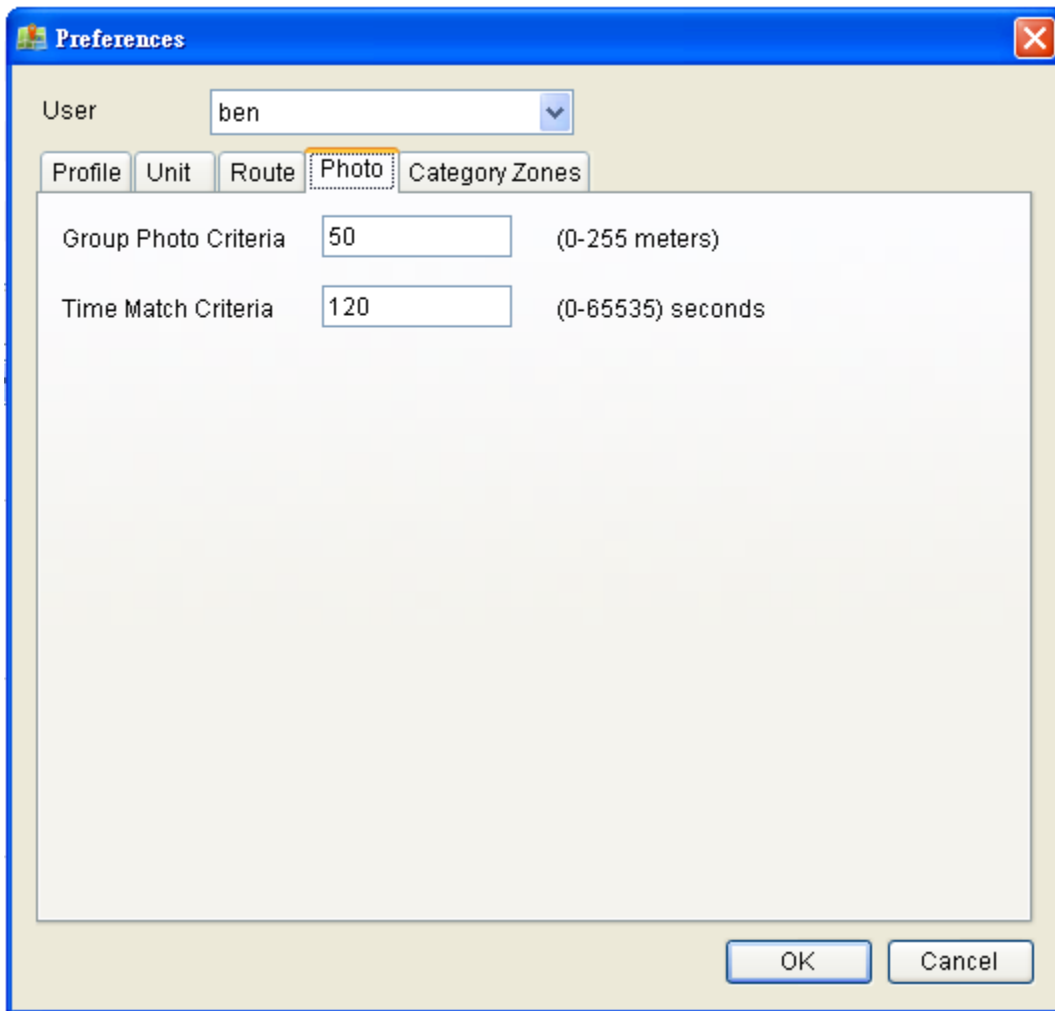
The image shows a software preferences dialog box titled "Preferences". At the top, there is a "User" dropdown menu with "ben" selected. Below this are five tabs: "Profile", "Unit", "Route", "Photo", and "Category Zones". The "Route" tab is currently selected and highlighted. Inside the "Route" tab, there are three settings:

- "Separate Routes Criteria" is a text input field containing the number "10", with "(0-65535) minutes" written to its right.
- "Route Thickness" is a dropdown menu with the number "2" selected.
- "Route Color" is a color selection dropdown menu showing a blue color swatch.

At the bottom right of the dialog box, there are two buttons: "OK" and "Cancel".

photo:

Data : Group Photo Criteria , Time Match Criteria .



The image shows a 'Preferences' dialog box with a blue title bar and a close button in the top right corner. The 'User' field is set to 'ben'. Below the title bar are five tabs: 'Profile', 'Unit', 'Route', 'Photo', and 'Category Zones'. The 'Photo' tab is selected and highlighted with an orange border. Inside the 'Photo' tab, there are two rows of settings. The first row is 'Group Photo Criteria' with a text input field containing '50' and a label '(0-255 meters)'. The second row is 'Time Match Criteria' with a text input field containing '120' and a label '(0-65535) seconds'. At the bottom right of the dialog box are two buttons: 'OK' and 'Cancel'.

Setting	Value	Range
Group Photo Criteria	50	(0-255 meters)
Time Match Criteria	120	(0-65535) seconds

Category Zones :

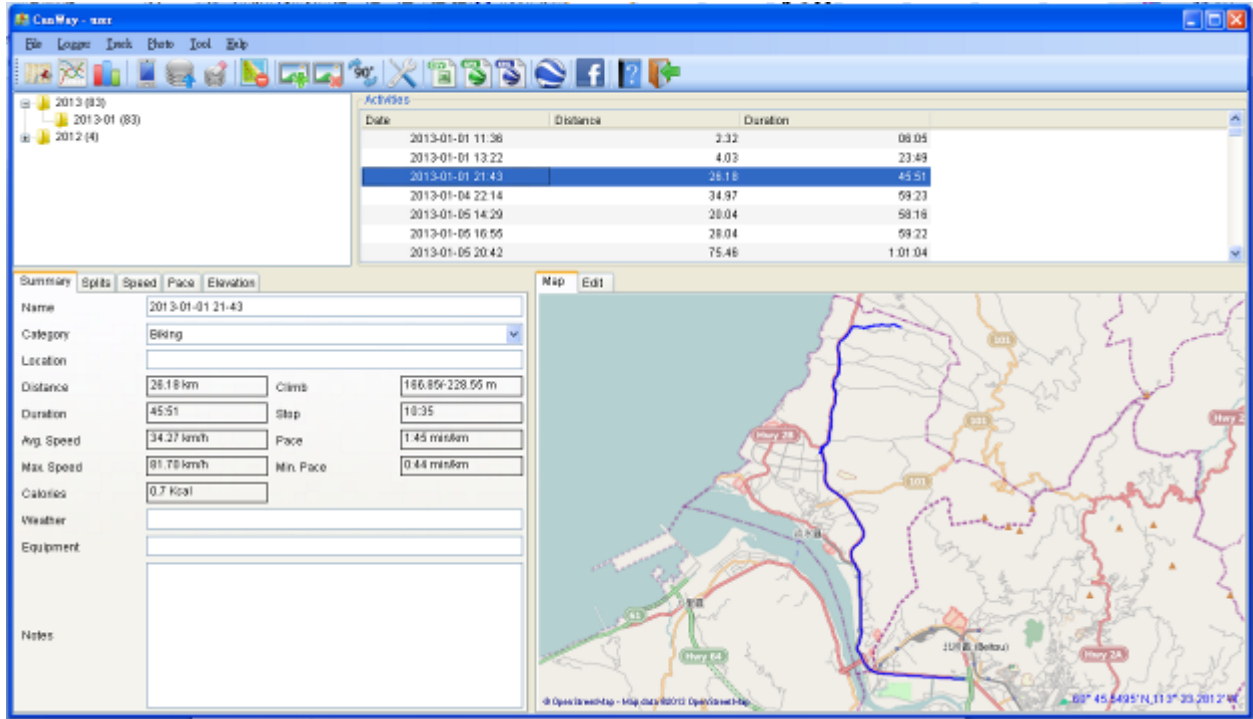
The screenshot shows the 'Preferences' dialog box with the 'Category Zones' tab selected. The 'User' field is set to 'user'. The 'Major Categories' dropdown is set to 'Pace / Speed Zones', and the 'Pace' radio button is selected. The 'Running' category is selected in the left-hand list. The 'Category Name' field is set to 'Running'. A table lists the zones for 'Running':

Zone Name	LSL	USL	Color
Walking	9:00		<input type="checkbox"/>
Jogging	6:00	9:00	<input type="checkbox"/>
Running	0:00	6:00	<input type="checkbox"/>

Below the table, the 'Walking' zone is selected for editing. The 'Zone Name' field is set to 'Walking', the 'Range' is set to '9:00', and the 'Color' is set to a grey color. The 'OK' and 'Cancel' buttons are at the bottom right.

Sport Analysis :

1 Activity view :  with the graph window

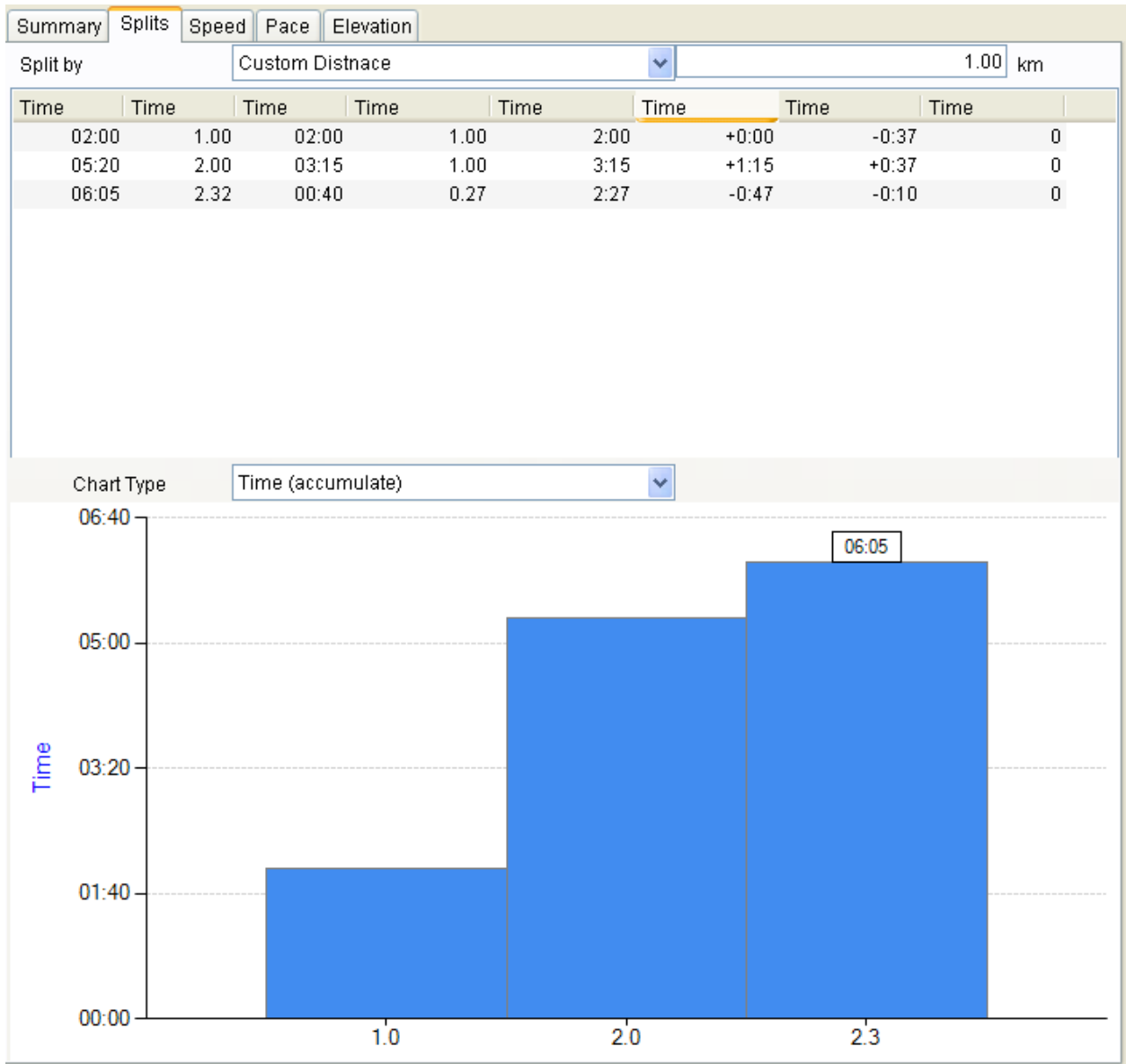


Analysis data : Summary , Splits , Speed , Pace , Elevation .

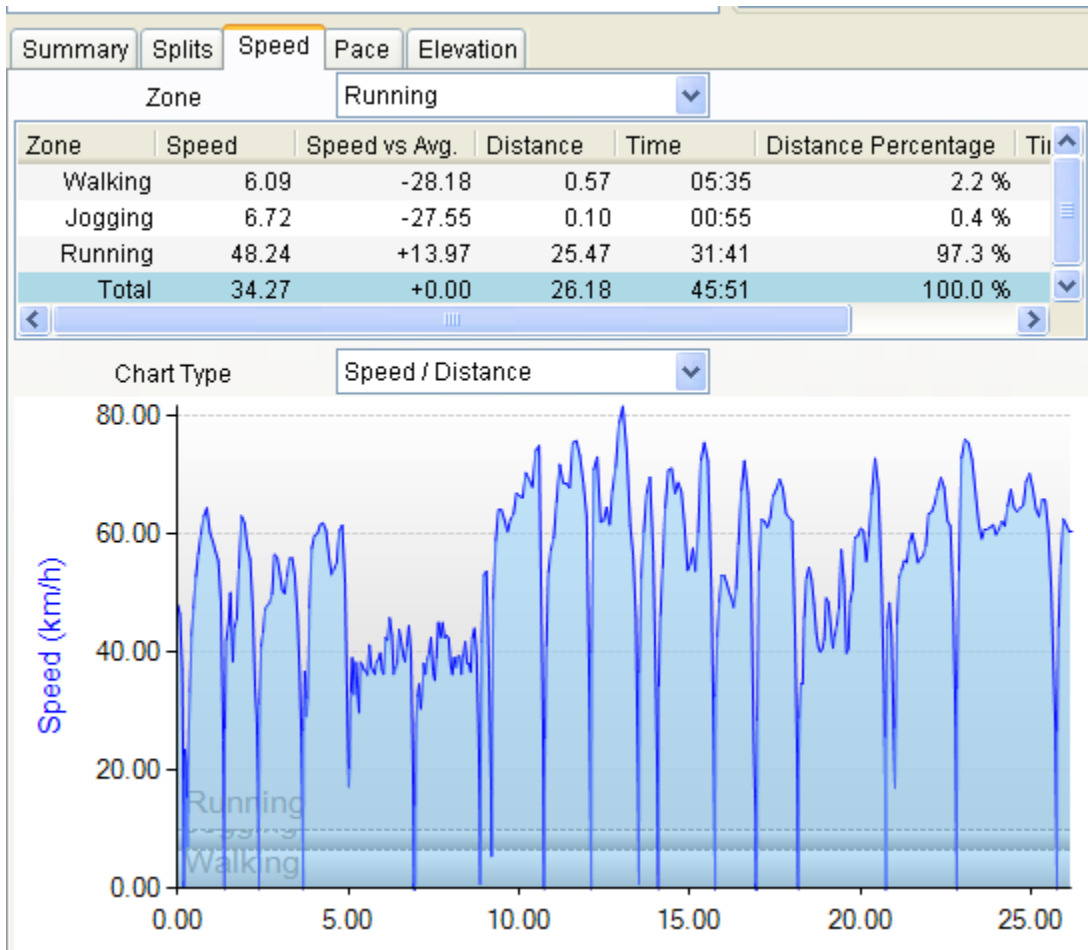
1 . Summary : include Name , Category, Location , Distance , Duration, Avg.Speed , Max.Speed , Calories , Wealther .

Summary	Splits	Speed	Pace	Elevation
Name	2013-01-01 21-43			
Category	Biking ▼			
Location				
Distance	26.18 km	Climb	166.85/-228.55 m	
Duration	45:51	Stop	10:35	
Avg. Speed	34.27 km/h	Pace	1:45 min/km	
Max. Speed	81.70 km/h	Min. Pace	0:44 min/km	
Calories	0.7 Kcal			
Weather				
Equipment				
Notes				

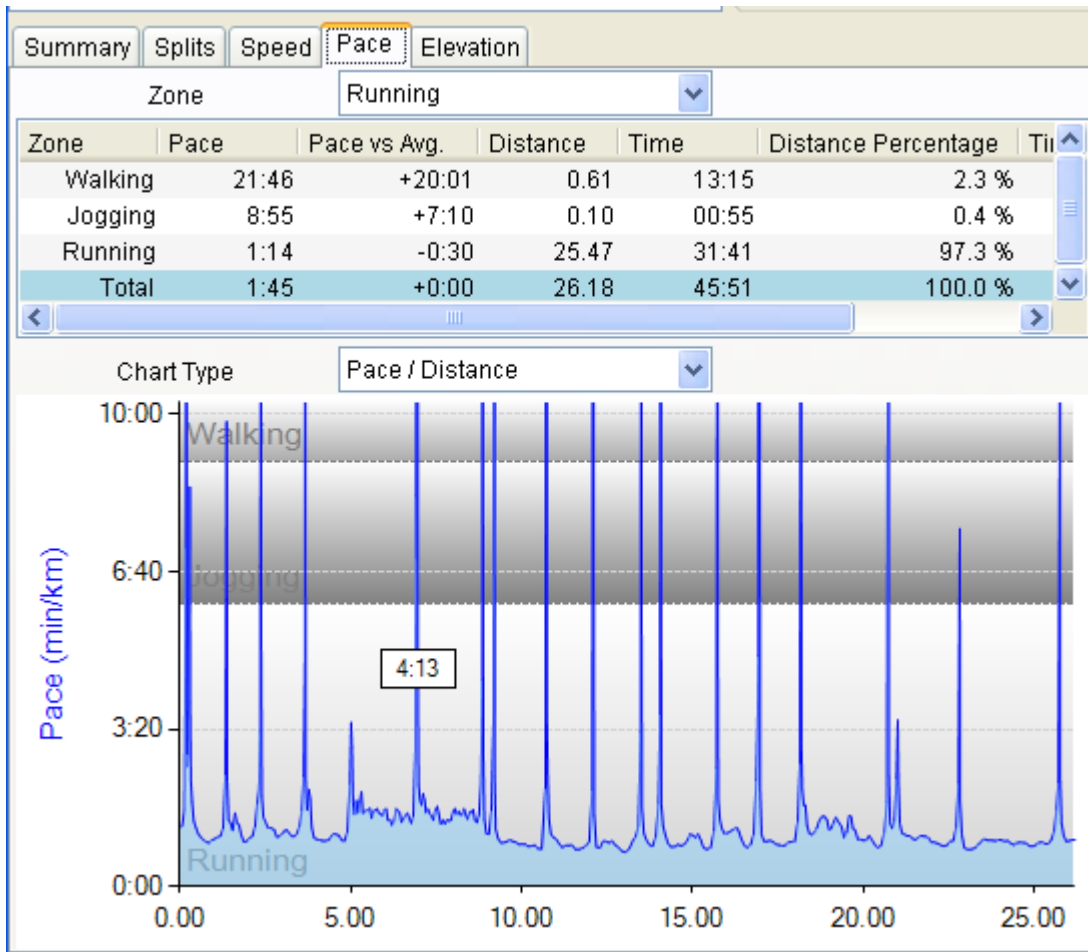
2. Splits :User can change Distance and Chart Type .



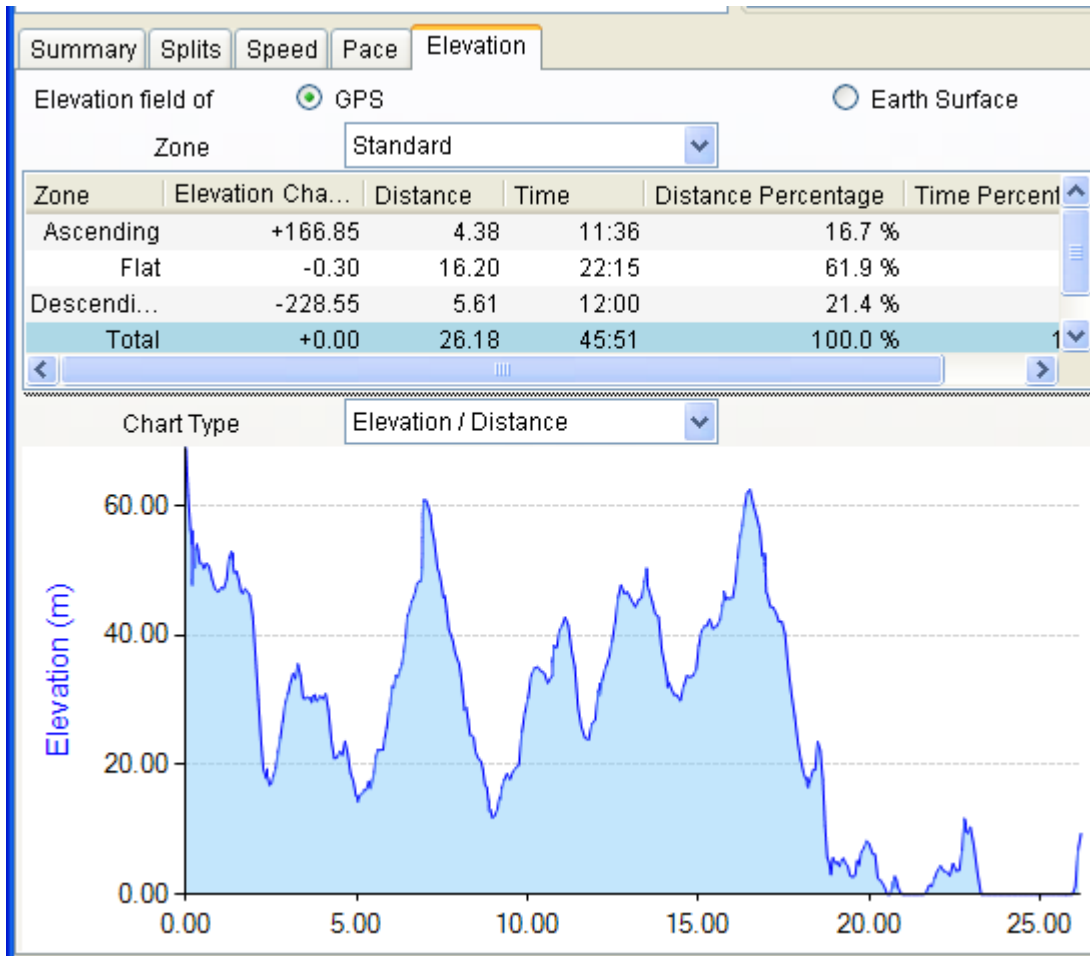
3. Speed :User can change Zone and Chart Type



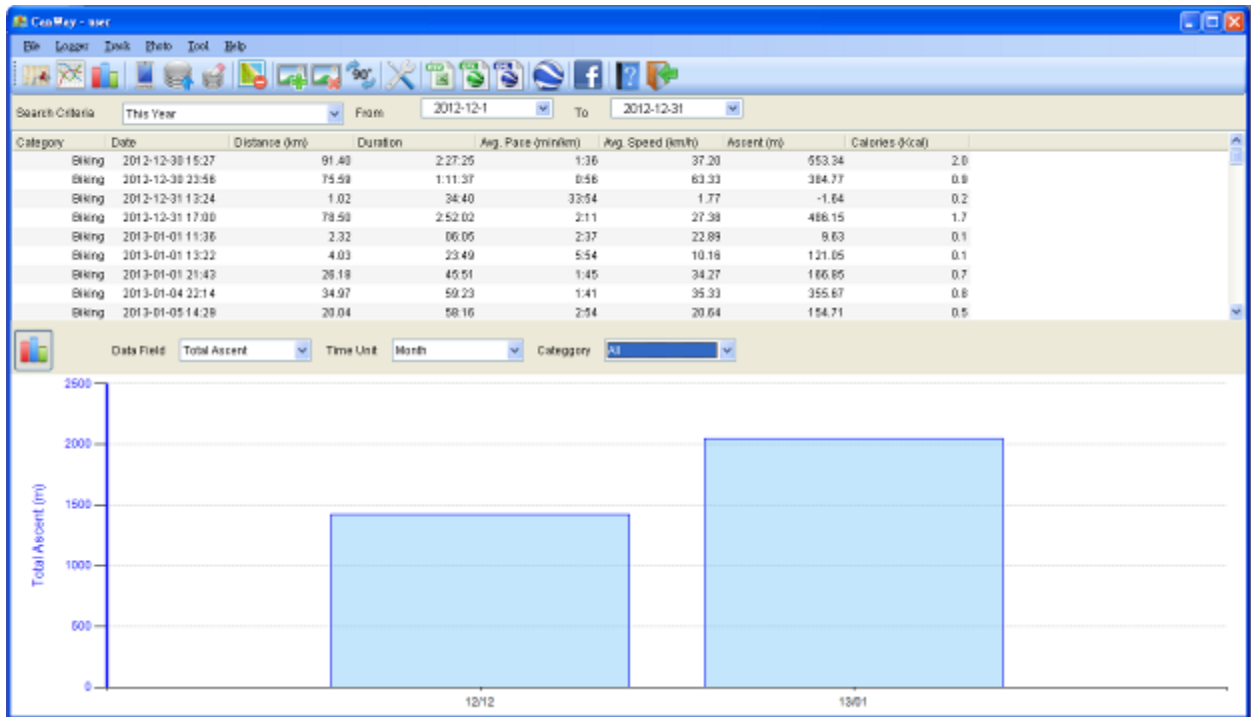
4. Pace :User can change Zone and Chart Type



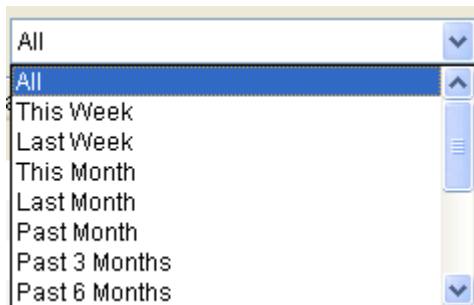
5. Elevation :User can change Zone and Chart Type



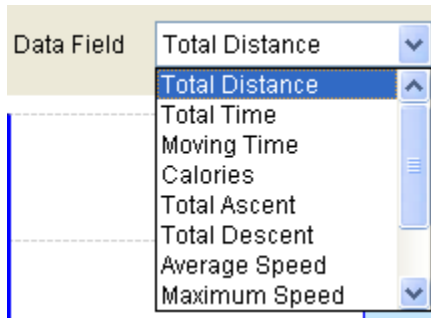
2. **Report View** :  User can select Search Criteria , Data Field , Time out , Category .



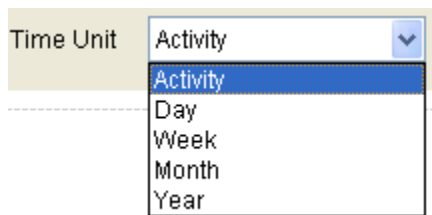
1. **Search Criteria** : User can select time range .



2. Data Field : User can select measure conditions .



3. Time out : User can select Time Unit .



4. Category : User can select Sport mode .

