

Time Album Lite V1.0.0

# User's Manual

Specially for Columbus V-800+ GPS data logger



Victory Tech Co.,Ltd ©2012.10

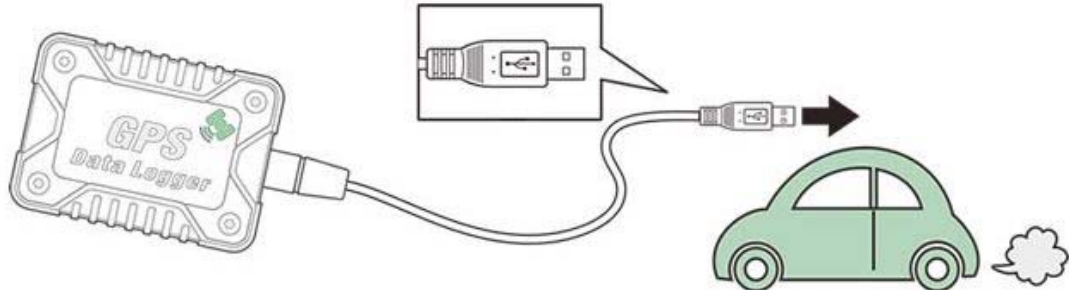
# Contents

<b>How to use V-800+.....</b>	<b>3</b>
<b>Read Log data From V-800+.....</b>	<b>3</b>
<b>Clear data logger memory.....</b>	<b>5</b>
<b>Tracks viewing.....</b>	<b>6</b>
<b>Functions</b>	
<b>--Google Earth/Maps viewing.....</b>	<b>7</b>
<b>1. Read all the tracks.....</b>	<b>8</b>
<b>2. Read tracks by date.....</b>	<b>8</b>
<b>3. Read tracks by time.....</b>	<b>8</b>
<b>--Save as KML/NMEA.....</b>	<b>9</b>
<b>--Time/Speed Graph.....</b>	<b>9</b>
<b>--Track Editing.....</b>	<b>10</b>
<b>1. Delete selected track.....</b>	<b>10</b>
<b>2. Delete selected track data.....</b>	<b>10</b>
<b>3. Create selected track data.....</b>	<b>11</b>
<b>Software Options.....</b>	<b>11</b>
<b>Device Settings.....</b>	<b>12</b>
<b>--Setting device information.....</b>	<b>12</b>
<b>-- Setting the logging interval.....</b>	<b>12</b>
<b>Track files management.....</b>	<b>13</b>

## How to use

Step1. Plug the car charger into the cigarette lighter outlet.

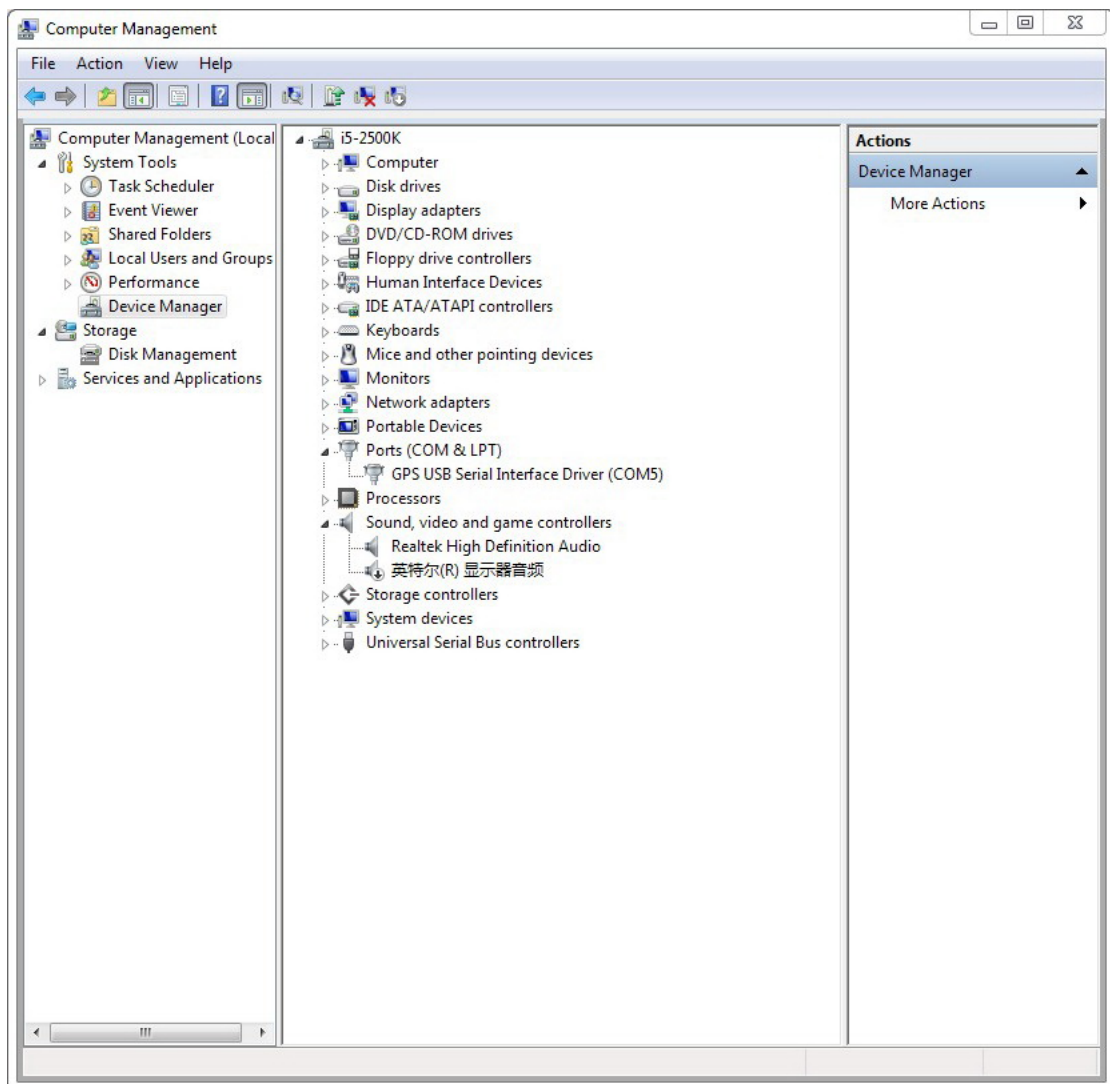
Step2. Connect the V-800+ to the car charger, the device starts to fix position and log the tracks automatically.



## Read Log data From V-800+

Step1 Plug V-800+ to PC USB port.

“Computer Management” ----- “Device Manager”-----“Ports”---  
COM number.



**Step2 . Run “Time Album Lite”**

Select ”Com Port (for V-800+) ”, ”BAUD Rate “is 38400

Click “Connect”

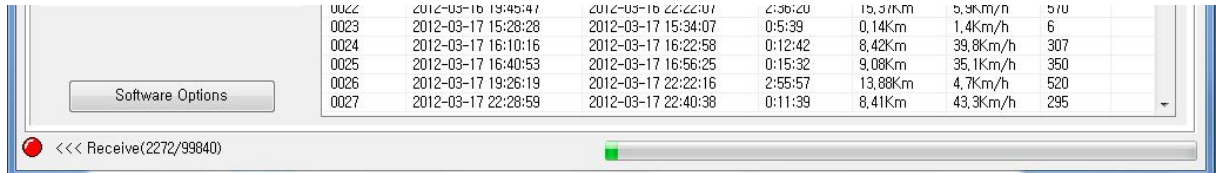
Read new tracks: Click “Read New Tracks”

Read all the tracks of V-800+ : Click “Get all tracks”

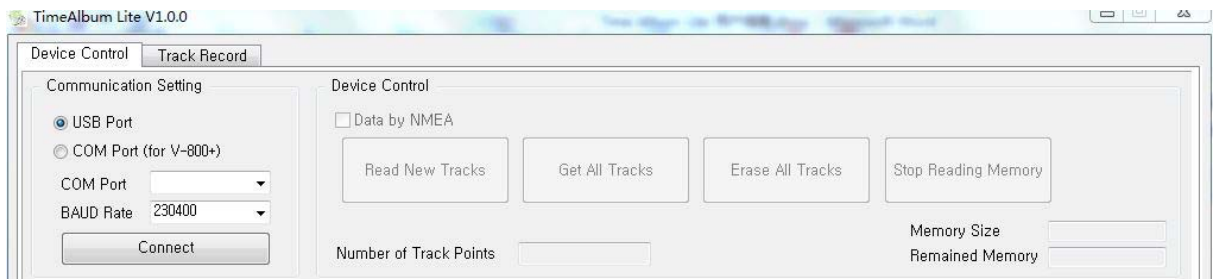
Disconnect from PC: Click”Disconnect”



**Reading, Progress Bar**



Click “Stop reading memory” when you need to stop reading.



Step3 Finish reading, all the tracks will be displayed in the windows.

The screenshot shows the 'TimeAlbum Lite V1.0.0' software interface. It has two tabs: 'Device Control' and 'Track Record'. The 'Device Control' tab is active, showing communication settings (COM5, 38400 baud), device information (Note Information: 4M, 3206; incar: test), and waypoint save options (Speed: 0 Km/h, Time: 0 sec, Distance: 20 m). The 'Track Record' tab shows a table of recorded tracks with columns for No., First Date/Time, Last Date/Time, Drive Time, Drive Dist., Avg Speed, and Etc. The table contains 27 rows of data. Below the table, there are buttons for 'Read New Tracks', 'Get All Tracks', 'Erase All Tracks', and 'Stop Reading Memory'. The 'Erase All Tracks' button is highlighted in the original image. The status bar at the bottom shows 'Selected 2012-10-18- ~ 2012-10-18'.

No.	First Date/Time	Last Date/Time	Drive Time	Drive Dist...	Avg Speed	Etc
0001	2012-03-13 10:26:56	2012-03-13 10:28:21	0:1:25	0,41Km	17,5Km/h	19
0002	2012-03-13 11:15:55	2012-03-13 11:19:39	0:3:44	1,75Km	28,2Km/h	71
0003	2012-03-13 15:36:56	2012-03-13 15:51:22	0:14:26	6,13Km	25,5Km/h	255
0004	2012-03-13 19:23:09	2012-03-13 19:31:57	0:8:48	4,11Km	28,0Km/h	165
0005	2012-03-14 10:36:37	2012-03-14 10:48:23	0:11:46	7,56Km	38,5Km/h	288
0006	2012-03-14 15:04:59	2012-03-14 15:17:15	0:12:16	8,83Km	43,2Km/h	338
0007	2012-03-14 19:17:01	2012-03-14 19:18:36	0:1:35	0,69Km	26,0Km/h	29
0008	2012-03-14 19:21:29	2012-03-14 19:23:40	0:2:11	0,62Km	17,1Km/h	26
0009	2012-03-14 19:23:58	2012-03-14 19:24:02	0:0:4	0,02Km	18,0Km/h	2
0010	2012-03-14 19:27:31	2012-03-14 19:29:18	0:1:47	0,95Km	32,0Km/h	38
0011	2012-03-15 13:36:38	2012-03-15 13:49:41	0:13:3	5,64Km	25,9Km/h	223
0012	2012-03-15 16:32:04	2012-03-15 16:42:25	0:10:21	4,16Km	24,1Km/h	165
0013	2012-03-15 17:08:09	2012-03-15 17:23:01	0:14:52	8,42Km	34,0Km/h	318
0014	2012-03-15 21:59:38	2012-03-15 22:25:53	0:26:15	9,01Km	20,6Km/h	341
0015	2012-03-16 02:06:14	2012-03-16 02:13:57	0:7:43	3,79Km	29,5Km/h	153
0016	2012-03-16 02:18:00	2012-03-16 02:24:13	0:6:13	2,81Km	27,1Km/h	115
0017	2012-03-16 02:29:31	2012-03-16 02:38:01	0:8:30	5,39Km	38,1Km/h	194
0018	2012-03-16 15:18:25	2012-03-16 15:23:38	0:5:13	2,00Km	23,0Km/h	82
0019	2012-03-16 15:26:54	2012-03-16 15:42:05	0:15:11	4,69Km	18,5Km/h	181
0020	2012-03-16 18:13:35	2012-03-16 18:15:18	0:1:43	0,07Km	2,4Km/h	4
0021	2012-03-16 18:33:30	2012-03-16 19:44:16	1:10:46	7,02Km	6,0Km/h	292
0022	2012-03-16 19:45:47	2012-03-16 22:22:07	2:36:20	15,37Km	5,9Km/h	570
0023	2012-03-17 15:28:28	2012-03-17 15:34:07	0:5:39	0,14Km	1,4Km/h	6
0024	2012-03-17 16:10:16	2012-03-17 16:22:58	0:12:42	8,42Km	39,8Km/h	307
0025	2012-03-17 16:40:53	2012-03-17 16:56:25	0:15:32	9,08Km	35,1Km/h	350
0026	2012-03-17 19:26:19	2012-03-17 22:22:16	2:55:57	13,88Km	4,7Km/h	520
0027	2012-03-17 22:28:59	2012-03-17 22:40:38	0:11:39	8,41Km	43,3Km/h	295

**Clear Data Logger Memory**

Connecting V-800+----“Device Control”----“Erase all tracks”----“Yes”

## Tracks Viewing

1. Double click the tracks selected, click” Track data”, track data will be displayed in the windows.
2. Track data information: Track No., Date, Time(UTC), State, Latitude, Longitude, Heading, Speed

The screenshot shows the 'TimeAlbum Lite V1.0.0' application. The main window has a 'Track Record' tab. On the left, there are controls for 'Select Data List' (By Days, By Tracks), 'Select a Period of Time' (Start and End of Period of Day), and 'Track Data' (Date of Start/End, Hour/Minute). The main area displays a table of tracks. Below this table are buttons for 'Delete Selected Track', 'Delete All Tracks', 'Export to Google Earth (KML)', 'Export to Wholsee', and 'Export to NMEA Data (GPRMC)'. A 'Track Data' window is open, showing a detailed table of track data for track 20120315.bt1.

No.	First Date/Time	Last Date/Time	Drive Time	Drive Dist...	Avg Speed	Etc
0001	2012-03-13 10:26:56	2012-03-13 19:31:57	0:28:23	12.40Km	26.2Km/h	510
0002	2012-03-14 10:36:37	2012-03-14 19:29:18	0:29:39	18.67Km	37.8Km/h	721
0003	2012-03-15 13:36:38	2012-03-15 22:25:53	1:4:31	27.24Km	25.3Km/h	1047
0004	2012-03-16 02:06:14	2012-03-16 22:22:07	4:16:28	36.45Km	8.5Km/h	1410
0005	2012-03-17 15:28:28	2012-03-18 03:28:21	7:55:19	62.81Km	7.9Km/h	2316
0006	2012-03-18 14:28:32	2012-03-18 14:48:08	0:15:48	5.69Km	21.6Km/h	235
0007	2012-03-21 10:01:04	2012-03-21 10:15:02	0:13:58	4.01Km	28.7Km/h	201

No.	Date	Time	State	Latitude	Longitude	Heading	Speed
1	2012-03-15	13:36:38	S	26.0982	119.2669	76	45
2	2012-03-15	13:36:40	A	26.0983	119.2671	68	44
3	2012-03-15	13:36:42	A	26.0984	119.2673	64	43
4	2012-03-15	13:36:44	A	26.0985	119.2675	60	42
5	2012-03-15	13:36:46	A	26.0986	119.2677	60	41
6	2012-03-15	13:36:48	A	26.0987	119.2679	60	38
7	2012-03-15	13:36:51	A	26.0988	119.2681	60	32
8	2012-03-15	13:36:54	A	26.0989	119.2683	60	28
9	2012-03-15	13:36:57	A	26.0990	119.2685	64	25
10	2012-03-15	13:37:01	A	26.0991	119.2687	64	19
11	2012-03-15	13:37:05	A	26.0991	119.2689	56	17
12	2012-03-15	13:37:09	A	26.0993	119.2691	48	17
13	2012-03-15	13:37:13	A	26.0994	119.2692	52	20
14	2012-03-15	13:37:16	A	26.0995	119.2694	52	23
15	2012-03-15	13:37:19	A	26.0996	119.2696	48	24
16	2012-03-15	13:37:22	A	26.0998	119.2697	48	26
17	2012-03-15	13:37:25	A	26.0999	119.2699	48	31
18	2012-03-15	13:37:28	A	26.1001	119.2702	48	34
19	2012-03-15	13:37:30	A	26.1002	119.2703	52	34
20	2012-03-15	13:37:33	A	26.1003	119.2706	56	32
21	2012-03-15	13:37:36	A	26.1004	119.2708	56	28
22	2012-03-15	13:37:39	A	26.1005	119.2710	56	30
23	2012-03-15	13:37:42	A	26.1006	119.2713	60	30
24	2012-03-15	13:37:45	A	26.1007	119.2715	64	33

## Google Earth/Maps viewing

1. "Track record", double click the tracks selected
2. Click "Google Maps". Red balloon "S" means start point, "E" means End point.

The screenshot shows the 'Track Record' tab in TimeAlbum Lite V1.0.0. On the left, there are controls for selecting data (By Days or By Tracks), a period of time (Start and End of Period of Day), and track data (Date of Start/End, Hour/Minute). The main area contains a table of track records and a satellite map view of the selected track.

No.	First Date/Time	Last Date/Time	Drive Time	Drive Dist..	Avg Speed	Etc
<input type="checkbox"/> 0001	2012-03-13 10:26:56	2012-03-13 19:31:57	0:28:23	12.40Km	26.2Km/h	510
<input type="checkbox"/> 0002	2012-03-14 10:36:37	2012-03-14 19:29:18	0:29:39	18.67Km	37.8Km/h	721
<input checked="" type="checkbox"/> 0003	2012-03-15 13:36:38	2012-03-15 22:25:53	1:4:31	27.24Km	25.3Km/h	1047
<input type="checkbox"/> 0004	2012-03-16 02:06:14	2012-03-16 22:22:07	4:16:28	36.45Km	8.5Km/h	1410
<input type="checkbox"/> 0005	2012-03-17 15:28:28	2012-03-18 03:28:21	7:55:19	62.81Km	7.9Km/h	2316
<input type="checkbox"/> 0006	2012-03-18 14:28:32	2012-03-18 14:48:08	0:15:48	5.69Km	21.6Km/h	235
<input type="checkbox"/> 0007	2012-03-21 10:01:04	2012-03-21 10:15:02	0:12:58	4.81Km	20.7Km/h	201

Buttons below the table: Delete Selected Track, Delete All Tracks, Export to Google Earth (KML), Export to Wholsee, Export to NMEA Data (GPRMC).

Map view: Selected Tracking 20120315.bt1. Map controls: 地图, 卫星, 地形. Scale: 2公里, 2英里.

Track Record send to Google Earth.

The screenshot shows the same software interface as above, but with the map view switched to Google Maps. The track is overlaid on a street map of the Fuzhou area.

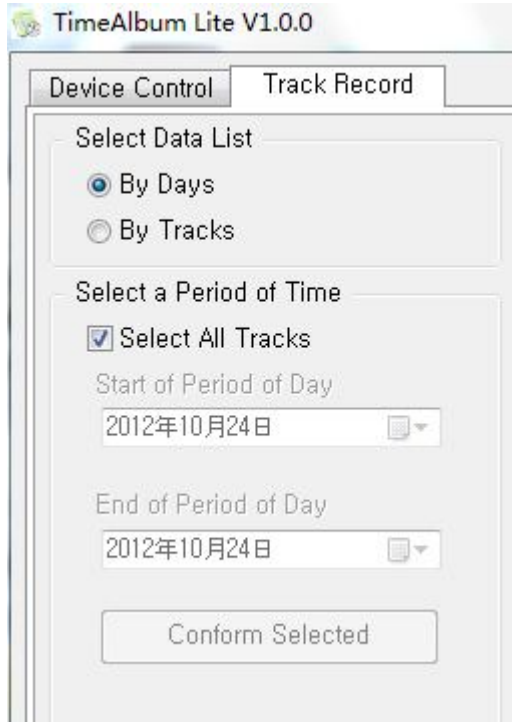
Buttons below the table: Delete Selected Track, Delete All Tracks, Export to Google Earth (KML), Export to Wholsee, Export to NMEA Data (GPRMC).

Map view: Selected Tracking 20120315.bt1. Map controls: 地图, 卫星, 地形. Scale: 2公里, 2英里.

View List type.

### Select viewing mode

1. Read all the tracks: Click "Select all tracks"
2. By Days: "Select Track list" --- "By days" --- "Select a period of time" --- "Start of period of day" & "End of period of day" --- "Confirm selected"



3. By Time: Double click track selected -- "Track data" -- select start and end time -- "Confirm Track selected"

No.	Date	Time	State	Latitude	Longitude	Heading	Speed
1990	2012-04-02	19:29:41	A	26,0414	119,2739	220	53
1991	2012-04-02	19:29:43	A	26,0412	119,2738	220	51
1992	2012-04-02	19:29:45	A	26,0410	119,2736	220	49
1993	2012-04-02	19:29:47	A	26,0409	119,2734	220	47
1994	2012-04-02	19:29:49	A	26,0407	119,2732	220	48
1995	2012-04-02	19:29:51	A	26,0405	119,2730	220	46
1996	2012-04-02	19:29:53	A	26,0404	119,2728	220	44
1997	2012-04-02	19:29:55	A	26,0402	119,2727	224	42
1998	2012-04-02	19:29:57	A	26,0401	119,2725	224	41
1999	2012-04-02	19:29:59	A	26,0399	119,2724	224	38
2000	2012-04-02	19:30:02	A	26,0398	119,2721	224	31
2001	2012-04-02	19:30:06	A	26,0396	119,2720	216	21
2002	2012-04-02	19:30:11	A	26,0394	119,2718	216	17
2003	2012-04-02	19:30:15	A	26,0394	119,2716	220	16
2004	2012-04-02	19:30:20	A	26,0393	119,2714	240	10
2005	2012-04-02	19:30:25	A	26,0391	119,2713	232	15
2006	2012-04-02	19:30:34	A	26,0392	119,2710	320	19
2007	2012-04-02	19:30:38	A	26,0394	119,2709	324	19
2008	2012-04-02	19:30:42	A	26,0395	119,2708	320	23
2009	2012-04-02	19:30:46	A	26,0397	119,2707	320	25
2010	2012-04-02	19:30:50	A	26,0399	119,2705	320	22
2011	2012-04-02	19:30:55	A	26,0401	119,2704	320	9
2012	2012-04-02	19:31:01	A	26,0403	119,2703	328	8
2013	2012-04-02	19:31:07	A	26,0404	119,2702	328	9

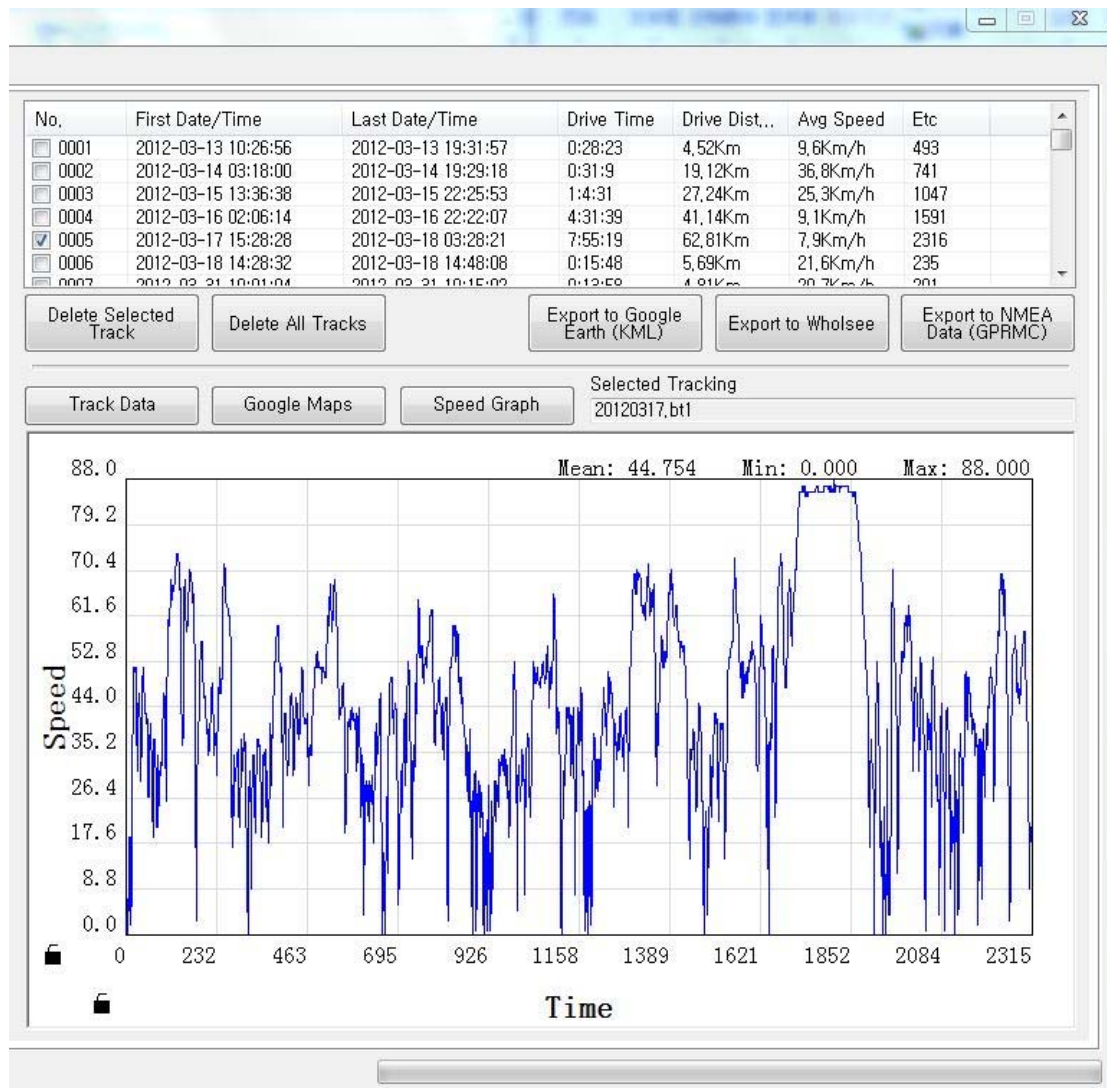


**Save as KML/NMEA**

1. KML: select track---click "Export to Google Earth(KML)"
2. NMEA: select track---click "Export to NMEA data(GPRMC)"

**Time/Speed graph**

1. "Track record" —double click tracks selected
2. Click "Speed Graph"



**Track Editing**

1. Delete selected track  
 "Track Record"—select track selected—Click "Delete selected track"---"Yes"
2. Delete selected track data  
 (ONLY in "By tracks" mode)  
 "Track Record"—"Select Data list"---select "By tracks"  
 Double click the track selected---select the track point data---click "Delete selected track data"—the status of the track point turns

to "Deleted"

Select Data List

By Days

By Tracks

Select a Period of Time

Select All Tracks

◀ 2012年4月 ▶

周日	周一	周二	周三	周四	周五	周六
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

今天: 2012/10/24

Track Data

Date of Start /    Hour    Minute

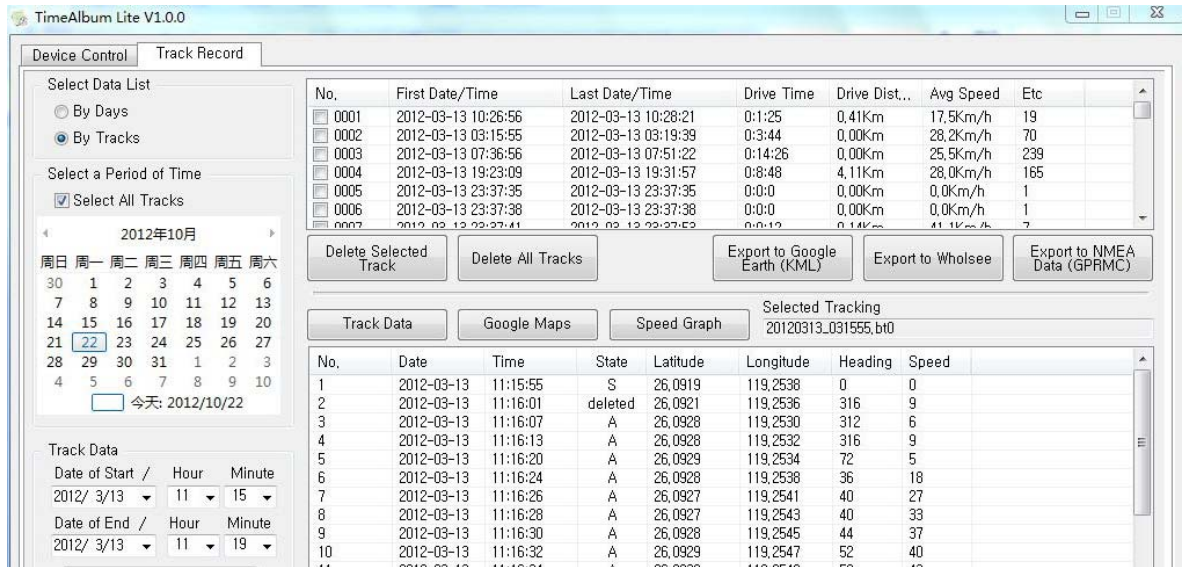
2012/ 4/ 1    ▼    20    ▼    34    ▼

Date of End /    Hour    Minute

2012/ 4/ 1    ▼    23    ▼    20    ▼

Edit Track Data

Edit Track Data when "By Tracks" Selected.



### 3. Create selected track data

(ONLY in "By tracks" mode)

"Track data"---click "shift" to select track points , e.g.: track No.50-No.70 --- click "Create selected track data", a new track file will be created, the new track file will be displayed in the above windows.

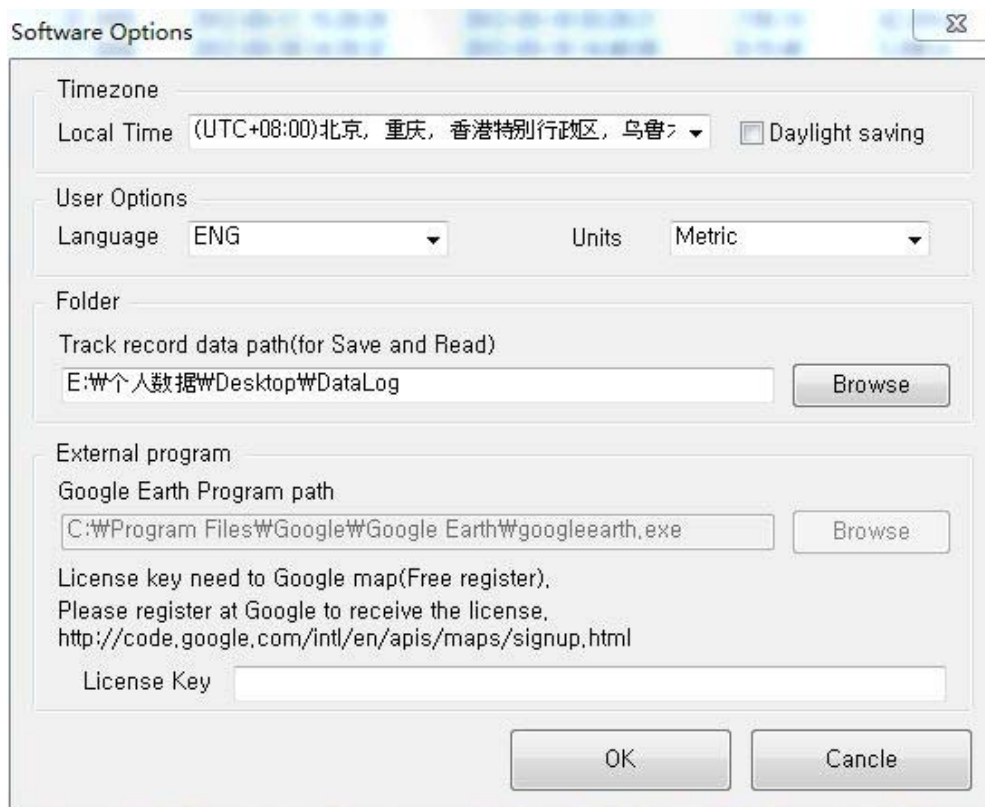
### Software Options

"Track record"—"software options"---Time Zone---"Local Time"—Select the local time zone

"Units"—Metric only

Track record data path: Only defaults folder

Click "OK" to save and exit

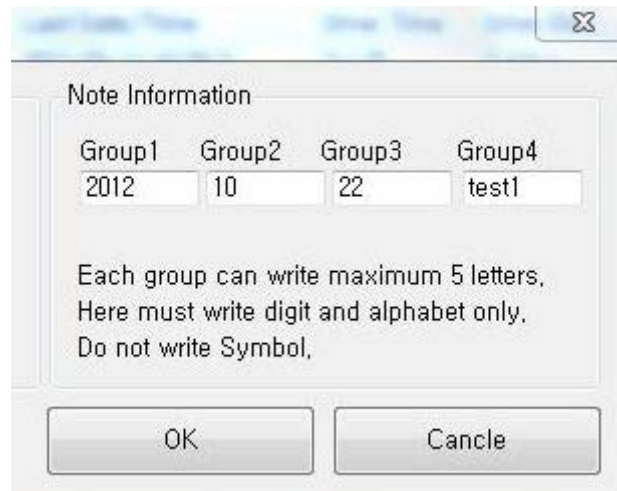


## V-800+Device Settings

### 1 Setting device information

User can customize the device ID for identification.

“Device Control”—“Device settings”---“Note information”



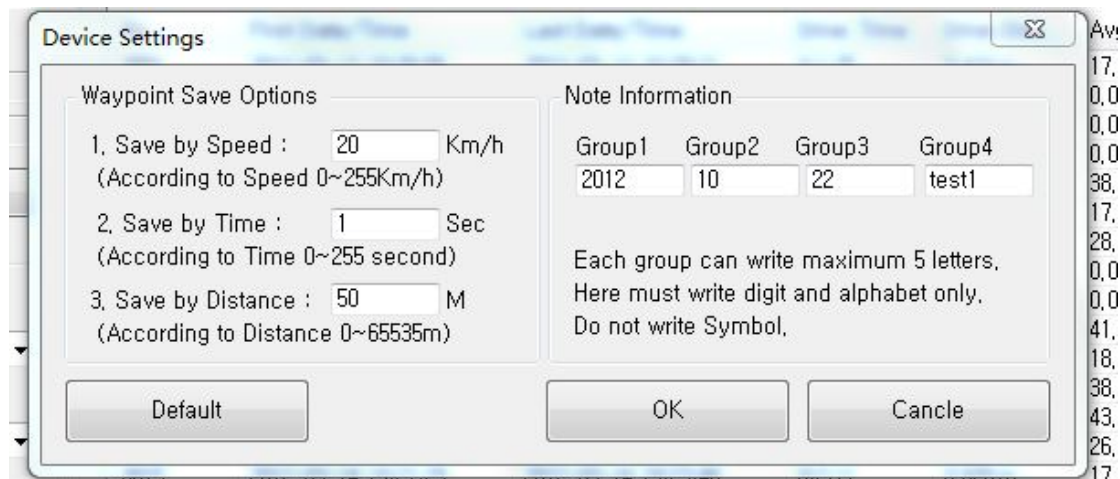
### 2 Setting the logging interval

**By Speed:** Logging the waypoints  $\geq$  certain value  
 “Device Control”—“Device settings”---Save by speed

**By Time:** Logging interval by certain time  
 “Device Control”—“Device settings”---Save by time

**By distance:** Logging interval by certain distance  
 “Device Control”—“Device settings”---Save by distance

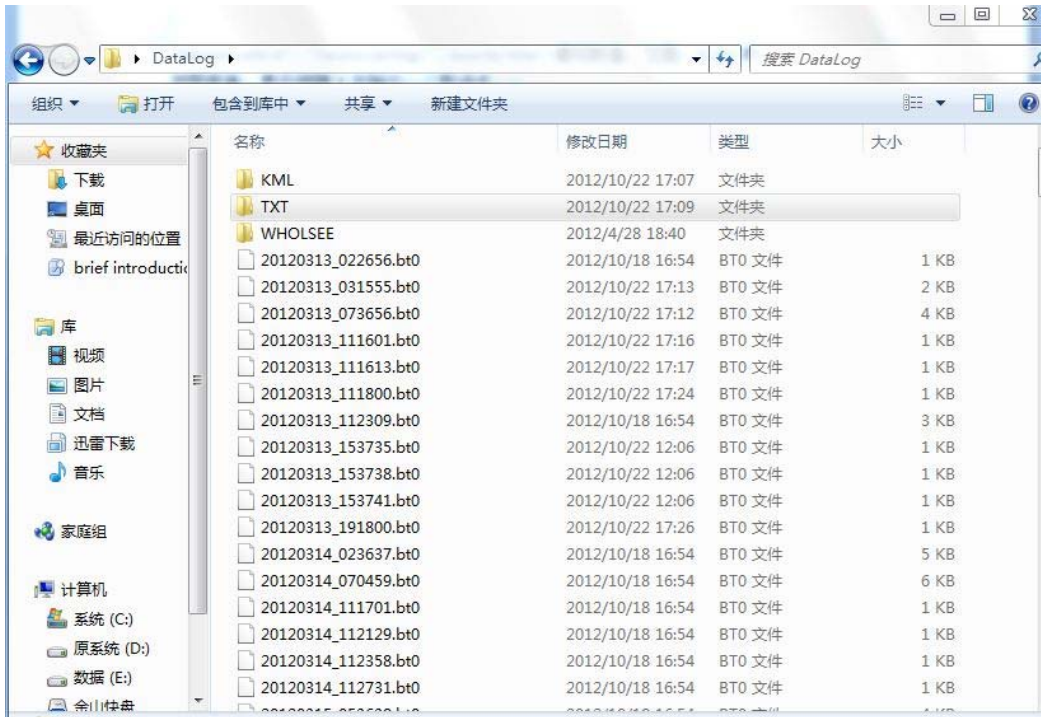
Click”OK”to save and exit



## Track files management

Saving path: "Desktop"--"DataLog" folder.

Including:\*.BT0 track file, KML, NMEA files.



The track files are named by date.

## How to delete the track files in the windows?

Please delete the track files in the "Data log" folder.

