

CR-Q1100V Quick Start Guide

Standard Package

(1) GPS Unit CR-Q1100V (2) USB car adaptor (3) Two USB cables (4) Anti-Slip Sticky Pad (5) Software CD + Warranty Card + User's manual.







Appearance

1. Power LED
2. Memory LED
3. Working LED
4. Non-working LED
5. Power button
6. POI button
7. USB connector
8. Hard reset button
9. Lanyard hole



LED indications

LED symbol	LED Color	Status	Description
 Power	Red	Flashing	Low Power
	Green	On	Recharging under power off
	Off	N/A	1. Fully charged. 2. Device power off or sleep mode
 Memory	Orange	Flash 3 times	POI pressed , POI(Point of Interest) is recorded
	Orange	Flash per 2 sec.	Low memory (less than 20% left)
	Orange	On	Memory is full
	Off	N/A	1. Memory has adequate capacity 2. Device power off or sleep mode
 Working	Green	On	GPS position is fixed, device is logging
	Off	N/A	1.GPS position not fixed 2.Memory is full 3.Device power off or sleep mode
 Non-working	Red	On	1.GPS is not connected with satellite 2.Memory is full
	Off	N/A	1.GPS position is fixed 2.Device power off or sleep mode

Major driving behavior to cause high Fuel consumption and risky driving

Behavior	Short	Description
Idle	IDL	Vehicle is stopped and keep engine running on.
Non-Efficiency Speed	NES	Driving speed is over vehicle's optimal speed or economical speed. (90km/h)
Over-Speed	OVS	Driving speed is overspeed set.
Acceleration	ACC	Vehicle is depressed rapid acceleration.
Braking	BRK	Vehicle is depressed hard braking.
Stability	STB	Driving speed is constantly under stable speed. Bad Stability cause fuel loss.

How GPS ECO-System works



CR-Q1100V Features:

- Record tracks and achieve driving efficiency and fuel economy by GPS technology
- In-Vehicle ECO Beeping Alert prompts to improve

- driving habits immediately
- Rugged, durable and IPX-3 water-resistant design
- Very Easy installation and operation
- Fulfill ECO-friendly operation and performance
- Built-in G-sensor and Surge protector
- QVehicle management software integration
- Analyze driving with statistic report and graph chart

Product Safety Notice

Please read this section carefully before using the GPS receiver

- Keep the CR-Q1100V far from heat or high temperature environment. We recommend not to expose your CR-Q1100V in temperature higher than 145°F/60°C to prevent the device from overheating, exploding or melting itself.
- When car interior temperature is too high, is likely to result in product failure or damage. When device is not in use or driver leaves the car, we suggest disconnecting the device and place in the car glove box.
- To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.
- Do not mount the devices in a place where the driver or passengers may receive injury during vehicle operation or collision. For your safety, take care to route all cables away from shifters, pedals, accessory controls and mechanisms

- The manufacturer assumes no responsibility for any damages and loss resulting from the use of this manual, or from deletion of data as a result of malfunction, dead battery, or from misuse of the product in any way.
- Please clean the unit with a dry and clean soft close. Do not use harsh cleaning solvents, chemicals, or strong detergents.
- Do not attempt to open CR-Q1100V by yourself. Unauthorized hacking may damage the unit, and void your warranty.

In-Vehicle ECO beeping Alert

Status	Beep code	Description
Over speed alarm	1 short beep and 1 long beep	When device detect the speed is over the speed set in <i>Device Config</i> .
Idle alarm	1 short beep(continuous)	When device is idled over the time set in <i>Device Config</i> .
Acceleration alarm	1 long beep(2secs)	When the device detect there's hard acceleration
Braking alarm	1 long beep and 2 short beeps	When device detect there's hard braking.

Other beeping Alert

Status	Beep code	Description
Switch on	1 short beep	When device is power on or when the power is supplied.
Sleep mode	1 long beep and 1 short beep	When device loss the power supply then enter into sleep mode.

POI push	3 short beeps	When POI (point of interest) button is recorded.
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*Set value of beeping alert is configurable via Qvehicle.

Register your Qstarz product

Register your Qstarz product to get the latest news, software update, event, and product information.

<http://www.qstarz.com/reg.php>

Update the Software:

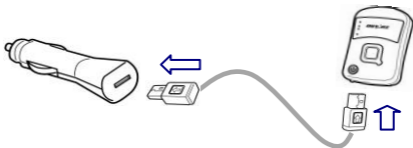
Please always go to Qstarz download page to check if there is any latest software update.

<http://www.qstarz.com/download.php>

■ Getting Start

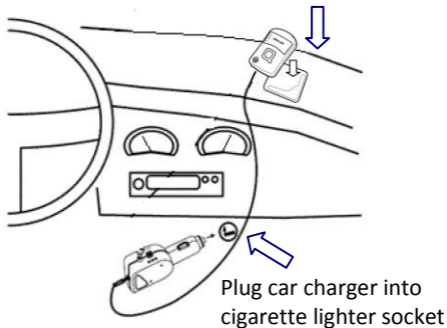
Step 1: Install CR-Q1100V in your vehicle

1-1. Please connect USB cable with CR-Q1100V and USB car charger adaptor.



1-2.

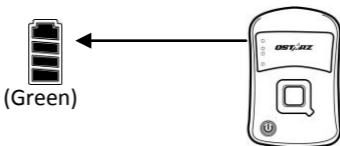
Use anti-slip sticky pad to fix CR-Q1100V on vehicle's dashboard



Note: The anti-slip pad won't leave sticky marks or colour stains, and it is reusable and washable! When adhesive strength is getting weakened due to dust and soiled, it can be washed with water or soap to get the adhesive strength back.

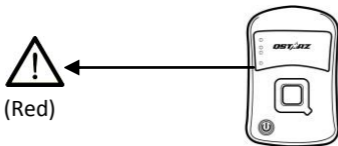
Step 2: Start to Use

2-1. Start the vehicle engine, the **Battery LED** on GPS device will light up with green, means power is supplied.



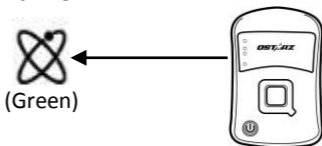
2-2. For the first time use, please press the power button for two seconds to power on device, the device will make a short beep.

Important: To power on and power off CR-Q1100V, it must be connected with a power supply.



CR-Q1100V is built in GPS module which needs to be used in outdoor or open sky environment. When **Non-working LED** is On with Red, means the GPS device is acquiring satellite or memory is full.

2-3. When **Working LED** is On with Green means the GPS is connected with satellite, and device is ready for use. The device will automatically start logging your drive.



Note: When satellite signal is too weak to get GPS fix under use, **Non-Working LED** will be On and stop logging your drive.

2-4. When you turn off the vehicle engine, GPS device will enter into sleep mode automatically and make 1 long beep and 1 short beep. No need to power off GPS device.

Important: Please ensure GPS device is well-installed always as **Step 1**, or ECO Alert function

can not be fully operated.

2-5. When you turn on the vehicle engine next time, GPS device will automatically wake up for operation.

Step 3: Install QVehicle Software

Install the QVehicle software from Qstarz software CD in the box.

(Software License SN no. is on the envelope of CD.)

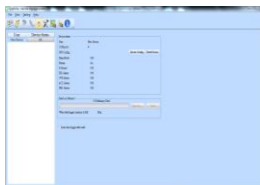


Step 4: Import Data from CR-Q1100V

4-1. Connect CR-Q1100V with PC. The device will wake up automatically and make a short beep.



4-2. Execute QVehicle software and click on **Device Config** to bundle device with a new user or an existing user



4-3. Click on Read to start downloading data and analyze your driving data.

Step 5: QVehicle Analysis

5-1. User Profile

In User Profile view, you can review individual's star rating and driving performance by daily, weekly or monthly basis. Also a trend chart will show individual user's driving performance tendency.

Star Rating: QVehicle will rate each of driving behavior (Idle, Non-efficiency speed, Acceleration, Braking, Over Speed and Stability.) by a star for the sum of 6 stars. Best star rating will be 6 stars, and below 4 stars means poor fuel efficiency.


Example-Idle: If the idling behavior is excellent, the software will give a full star, medium for half star, and bad for none star.



5-2. Staff Rating

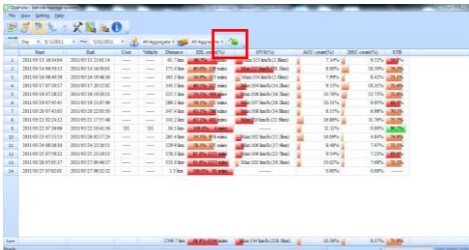
Staff Rating shows the list of ALL users's rating with Driving behavior percentage by weekly, monthly or seasonal basis. And the bar chart to evaluate all users's rating by selective item (Idle, Over Speed, Acceleration, Braking and Stability).




Note: You may click on the **Fuel icon**  to switch to Fuel consumption percentage to evaluate selective item (Idle, Non-Efficiency speed, Acceleration, Braking)

5-3. Vehicle Report View

Vehicle report View shows the trip data and summary by filter function with Time (date, week, month or season), User or Vehicle. Given the fleet manager flexible options to review the vehicle report.

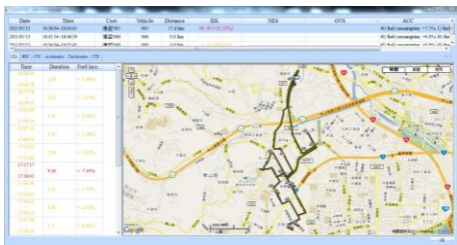


Start	End	Time	Vehicle	Distance	EDL cost (%)	DPV (%)	ACC cost (%)	DEC cost (%)	STD
1	2011/05/13 08:34:04	2011/05/13 21:01:14	---	65.7 km	80.95% 27 miles	Max 113 km/h (70.3 mph)	7.14%	9.22%	20.2%
2	2011/05/14 08:39:33	2011/05/14 18:30:01	---	175.4 km	80.95% 107 miles	Max 134 km/h (83.3 mph)	8.89%	10.99%	23.2%
3	2011/05/14 08:48:18	2011/05/14 19:48:36	---	181.2 km	80.95% 112 miles	Max 134 km/h (83.3 mph)	7.99%	8.42%	21.4%
4	2011/05/17 07:59:17	2011/05/17 20:52:42	---	141.3 km	80.95% 87 miles	Max 109 km/h (67.7 mph)	9.17%	10.32%	23.4%
5	2011/05/18 07:58:22	2011/05/18 20:50:11	---	222.3 km	80.95% 138 miles	Max 108 km/h (67.1 mph)	10.79%	11.79%	25.4%
6	2011/05/18 07:45:45	2011/05/18 21:07:40	---	280.2 km	80.95% 174 miles	Max 107 km/h (66.5 mph)	10.21%	9.87%	24.8%
7	2011/05/20 07:43:05	2011/05/20 21:02:50	---	347.4 km	80.95% 215 miles	Max 108 km/h (67.1 mph)	8.25%	8.89%	20.2%
8	2011/05/21 02:24:12	2011/05/21 17:07:48	---	141.2 km	80.95% 87 miles	Max 107 km/h (66.5 mph)	10.89%	11.78%	25.2%
9	2011/05/21 07:39:08	2011/05/21 18:40:36	001	14.3 km	80.95% 8.9 miles	---	11.11%	0.89%	10.1%
10	2011/05/21 07:51:13	2011/05/21 07:57:34	---	261.4 km	80.95% 162 miles	Max 102 km/h (63.4 mph)	10.09%	8.84%	24.2%
11	2011/05/24 08:18:30	2011/05/24 21:28:51	---	226.9 km	80.95% 141 miles	Max 109 km/h (67.7 mph)	8.48%	7.87%	22.2%
12	2011/05/26 07:59:17	2011/05/26 21:09:13	---	176.3 km	80.95% 109 miles	Max 108 km/h (67.1 mph)	9.34%	7.22%	24.8%
13	2011/05/26 07:05:17	2011/05/27 08:48:37	---	333.6 km	80.95% 206 miles	Max 108 km/h (67.1 mph)	10.02%	7.68%	23.2%
14	2011/05/27 07:02:01	2011/05/27 08:32:32	---	1.7 km	80.95% 1.0 miles	---	0.89%	0.89%	---
Total				2368.7 km	80.95% 1473 miles	Max 134 km/h (83.3 mph)	10.34%	9.27%	23.2%

Note: You may click on the **Fuel icon**  to switch to Fuel consumption percentage to evaluate selective item (Idle, Non-Efficiency speed, Acceleration, Braking)

5-4. Detail View

Click on each report's grid and a window will pop-up to show each driving behavior's detail information, and also showing the trip on Google map.



5-5. Options

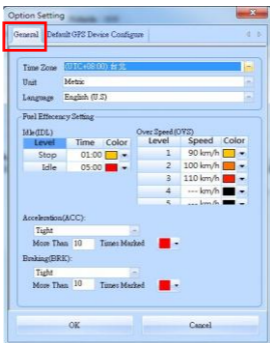
Click Setting > Options on the menu bar or click



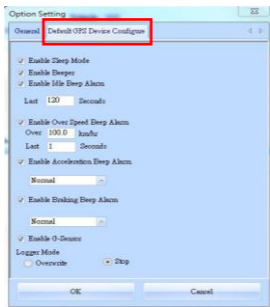
on the toolbar to set:

1. Software's **General** setting: Time zone, Distance Unit, Language, and Fuel efficiency setting, and
2. Hardware's **Default GPS Device configure** for configuration.

Software's General setting:



Hardware's Device default configuration:



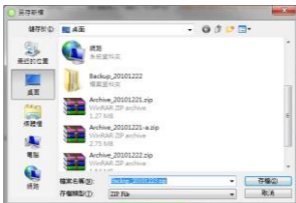
5-6. Backup/Restore

QVehicle supports backup and restore data function. Please click on File > Backup/Restore, the Backup/restore dialogs will pop-up as follows:



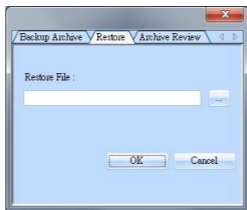
5-7. Backup

Select the Backup file path and name then click on Save to backup the whole data:



5-8. Restore

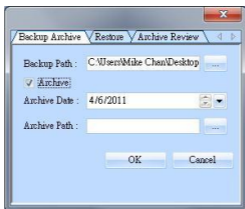
In the Restore page, select the restore file and click OK.



5-9. Archive

Note: You must backup the data before execute archive.

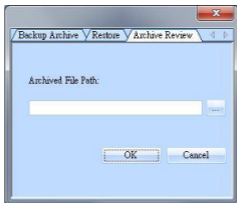
Check the Archive box and select the archive date and name. The archive file will backup all data prior to the selected date.




5-10. Archive Review

Select the Archive review tab. Then select the archive file and click OK to enter archive review mode.

Note: The archive review mode is for read only; all the modification under archive mode won't be saved.



Click on the  icon on the toolbar to exit archive review mode.

For detail QVehicle™ functionality, please refer to QVehicle™ User's Manual attaching in the Software

Trouble Shooting

Question	Answer
Why I can not power on my CR-Q1100V?	CR-Q1100V must be connected with a power supply to power on, please make sure CR-Q1100V has connected with your vehicle or computer in order to power it on or off.
My GPS device could not get fix with satellite?	CR-Q1100V should be used outdoor in an open-sky environment.
My CR-Q1100V crashed. How can I make get it back to normal status?	You can find the Reset button on the rear of the device beside USB connector, a small hole which can be pressed by pen tip or pin to reset your device. (Hard reset will not erase the memory data.)
Why the Power green LED is always light on after connected with power supply?	It means the device is not Power On. Please turn on the device in order to start logging your drive or download data into your computer.

CR-Q1100V 簡易使用指南

盒裝標準配備

(1) GPS本體 CR-Q1100V (2) USB車用點煙器式充電器(3) 2條 USB充電傳輸線 (4) 防滑矽膠墊片 (5)保固說明卡+使用者手冊

1.



2.



3.



4.



5.



(2條)

外觀

1. 電源燈
2. 記憶體燈
3. 工作中燈號
4. 無工作中燈號
5. 電源按鍵
6. 景點座標記錄按鈕
7. USB 插座
8. 硬體重置按鈕
9. 吊飾孔



LED 指示燈顯示說明

LED 符號	LED顏色	狀態	描述
 電源	紅	閃爍	低電量
	綠	恆亮	關機狀態下充電
	無	無	1. 充電完成 2. 裝置關機或在睡眠模式
 記憶體	橘	閃爍三次	POI景點座標記錄成功
	橘	每兩秒閃爍一次	低記憶體顯示 (記憶體剩20%)
	橘	恆亮	記憶體已滿
	無	無	1. 記憶體有足夠空間 2. 裝置關機或在睡眠模式
 工作中	綠	恆亮	衛星定位成功並開始記錄
	無	無	1. 衛星未定位 2. 記憶體已滿 3. 裝置關機或在睡眠模式
 無工作中	紅	恆亮	1. 衛星未定位 2. 記憶體已滿
	無	無	1. 衛星已定位 2. 裝置關機或在睡眠模式

造成高油耗與影響行車安全的駕駛行為:

駕駛行為	描述
怠速	車輛停留引擎未熄火。
低效率速度	車輛行駛速度高於最佳行駛速度(即經濟車速90/km)。
超速	車輛行駛速度超過設定值稱為超速
急加速	車輛緊急加速幅度過大稱為急加速。
急煞車	車輛緊急煞車幅度過大稱為急煞車。
穩定度	車輛行駛保持穩定速度稱為穩定度，穩定度差代表高油耗和危險駕駛。

GPS省油達人運作方式



CR-Q1100V 特色:

- 使用 GPS 技術紀錄行駛路線，提升駕駛效率和降低油耗
- 即時省油聲響警示，以立即改善駕駛行為
- 堅固耐用與 IPX-3 防潑水設計
- 安裝簡單和操作方便
- 實現省油駕駛和環保效益
- 內建重力感測器和防突波設計
- 搭載 QVehicle 車輛省油分析軟體
- 以圖表和 Google Map 來呈現駕駛行為的分析結果
-

安全須知

使用之前請先詳細閱讀下列的安全須知

- 請保持產品遠離熱源或高溫的環境。我們建議您不要曝露您的 CR - Q1100V 在溫度高於 145°F / 60°C 的環境，以防止過熱，爆炸或外殼熔化。
- 當不需使用或離開車子時，請將本產品收藏在車子置物櫃內。如果車內溫度太高，非常可能會造成產品故障/損壞。
- 為了減少發生火災或觸電風險，請勿將本產品曝露在雨中或潮濕的地方使用。
- 為了您的安全，請勿將本產品安裝在會妨礙到駕駛操控的位置(如靠近排檔桿或煞車踏板等)。

- 本公司對因未遵守本使用說明書而引起的任何損壞不承擔任何責任。
- 請使用柔軟、清潔和乾燥的布來清潔產品表面。請勿使用刺激性的化學製品、清潔溶劑或腐蝕性的清潔劑來清潔產品。
- 請勿嘗試自行拆裝本產品，若有自行打開或拆除蓋板之事發生，則本產品之保固將隨即失效。

即時省油聲響代碼

狀態	蜂鳴代碼	描述
超速警示	一短聲·一長聲	當車輛行駛速度超過設定值時發出一短聲,一長聲
怠速警示	連續一短聲	當車輛停留引擎未熄火超過設定時間發出連續一短聲
急加速警示	一長聲(兩秒)	當車輛緊急加速幅度超過設定值時發出一長聲
急煞車警示	一長聲·兩短聲	當車輛緊急煞車幅度超過設定值時發出一長聲,兩短聲

其他聲響代碼

狀態	蜂鳴代碼	描述
開機	一短聲	當裝置開機或當裝置接通電源時
睡眠模式	一長聲 一短聲	當裝置已停止供電並進入睡眠模式
POI 按鈕	三短聲	當按下POI按鈕後，發出三短聲

*聲響警示的設定值是可以經由QVehicle軟體來調整設定。

註冊您的科思達產品

請至線上註冊您的科思達產品以獲得最新的產品訊息、軟體更新以及活動

<http://www.qstarz.com/reg.php>

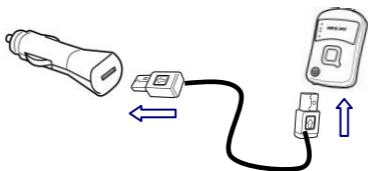
軟體更新

請到科思達官網下載區更新最新的軟體：

<http://www.qstarz.com/download.php>

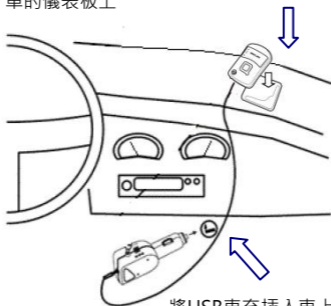
■ 步驟1: 安裝CR-Q1100V

1-1. 請將 CR-Q1100V 與 USB 線、USB 車充連接。



1-2.

使用防滑矽膠墊片將CR-Q1100V固定在車的儀表板上

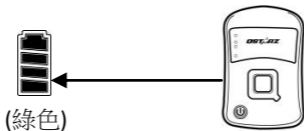


將USB車充插入車上的點煙器孔

注意: 防滑墊不會留下污漬粘痕或顏色在儀表板上，它是可水洗也可重複使用！當粘接強度弱化時，可以用肥皂或清水沖洗來恢復粘接強度。

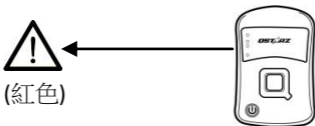
步驟2: 開始使用

2-1. 將車輛引擎發動, 裝置上的電源燈將會亮起綠色, 表示裝置供電中。



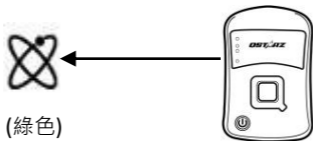
2-2. 第一次使用時, 請按電源鈕兩秒將裝置開機, 開機後將會發出一短聲響。

重要: CR-Q1100V 必須在供電狀態下才能開機和關機。



CR - Q1100V 需要在室外環境使用。當無工作中燈號亮起顯示紅色時, 表示GPS尚未與衛星定位, 不會開始記錄行車軌跡; 或是記憶體已滿。

2-3. 當工作中燈號亮起顯示綠色, 表示GPS已連接衛星和定位, CR-Q1100V 會自動開始記錄行車軌跡。



注意： 如果衛星訊號太弱造成無法與衛星連接，無工作中燈號將會亮起紅色並停止紀錄軌跡。

2-4. 當車輛熄火時，您不需要將GPS裝置關機，裝置將會自動進入睡眠模式，並發出1長和1短聲響。

2-5. 當您下一次發動車輛時，CR-Q1100V就會自動從睡眠模式醒來並會發出一短聲響。

重要： 請確認裝置要正確安裝如步驟1，否則裝置之即時省油聲響功能將無法正常運作。

步驟 3: 安裝 QVehicle 軟體

從軟體光碟中安裝QVehicle軟體。(軟體序號貼於光碟封套上)

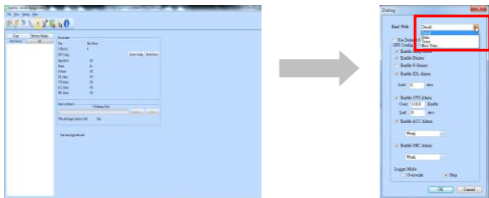


步驟 4: 下載資料

4-1. 將CR-Q1100V 與電腦連接。供電後CR-Q1100V將會自動從睡眠模式醒來並發出一短聲。



4-2. 打開 QVehicle 軟體，軟體將會自動跳到裝置設定頁面，點擊“裝置設定”來將CR-Q1100V 與新使用著或是現有的使用著綁定。



4-3. 綁定使用者後，點擊“讀取”下載資料。

步驟 5: QVehicle 軟體分析

5-1. 人員管理

在人員管理頁面，可選擇以每天、每週或每月作為分析依據，查看每位員工的個人駕駛行為分析與星級評分。另外，可藉由趨勢圖分析，得知每位員工在各個分析項目上的平均駕駛行為趨勢。

星級評分: QVehicle以星號來評分每個分析項目(怠速、低效率速度、急加速、急煞車、超速、穩定度)，最後會有個星級評分總結，最好的總評價為6顆星，少於4顆星為相對高油耗駕駛，表示仍有相當大的駕駛行為改善和省油的空間。


以怠速為例，如果駕駛者極少怠速，即怠速行為良好，QVehicle會評分為一滿顆星，若怠速行為稍多，則評分為半顆星，若經常怠速，則評分為零顆星。



5-2. 人員評比

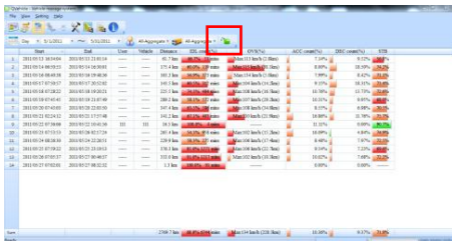
在人員評比分析中，可選擇以每週、每月或每季作為排名依據，來排列出所有員工的駕駛行為總評價。另外，也可藉由長條圖分析，看出所有員工的單項駕駛行為評價(怠速、急加速、急煞車、超速、穩定度)。




注意：您可以點擊燃料的圖示  來切換油耗百分比分析項目 (怠速, 低效率速度, 急加速, 急煞車)

5-3. 列表檢視

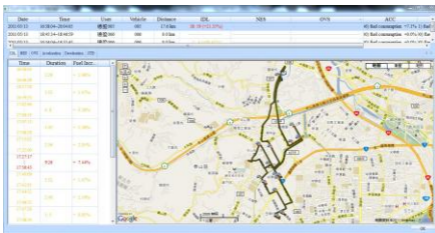
車輛報告檢視顯示行車數據，並可依彈性的過濾條件 - 時間(日, 星期, 月, 或季)，用戶或車輛來交叉來匯總和分析統計資料。可以給車隊管理者更詳細的選擇來審查車輛的駕駛分析和油耗分析。



注意：您可以點擊燃料的圖示  來切換油耗百分比並分析選定的項目(怠速, 低效率速度, 急加速, 急煞車)

5-4. 詳細分析頁面

點擊報告中的任一分析項目(如怠速、低效率速度、急加速、急煞車、超速、穩定度)，即可用Google地圖看到所點項目的詳細分析資料。



5-5. 選項

點擊菜單欄上的設定 > 選項或直接點擊工具欄上的設定圖示



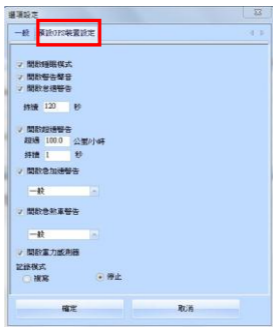
來設定:

- (1) 軟體的時區、距離單位、語言、燃油效率設定
- (2) 硬體的預設GPS裝置設定。

軟體之一般設定:

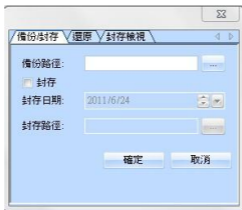


硬體之預設GPS裝置設定:



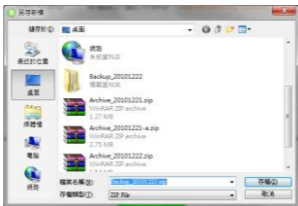
5-6. 備份/還原

QVehicle支援資料備份/還原功能, 點擊檔案 > 備份/還原後, 備份/封存的視窗將會跳出:



5-7. 備份

請選擇備份檔案的路徑和名稱,然後點擊儲存來備份全部的資料:



5-8. 還原

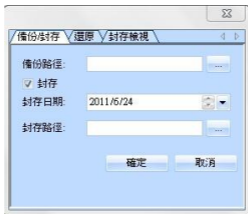
再還原的頁面,選擇要還原的檔案後按OK:



5-9. 封存

注意：在你封存檔案之前，你必需要先備份檔案。

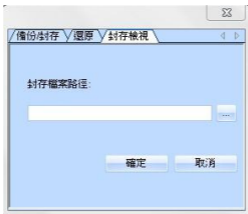
步驟：先勾選封存，並選擇封存日期與封存檔案名稱，在你勾選日期之前的所有封存資料都會被備份。



5-10. 封存檢視

選擇封存檢視頁面,選擇之前封存的檔案後按確定後進入封存檢視模式.

注意：封存檢視模式下,所以資料都無法被修改.



在工具列上按  來退出封存檢視模式。

***若要進一步了解QVehicle的詳細分析功能
請參考QVehicle使用手冊**

疑難排解

問題	解決方法
我的CR-Q1100V無法開機?	CR-Q1100V必須在有供電的狀態下才能夠開機和關機。請確認是否有將CR-Q1100V連接到車輛或電腦。
我的GPS裝置無法與衛星定位?	CR-Q1100V必須在戶外或無遮蔽物下使用。若在室內或地下室是無法接收到衛星訊號。
我的CR-Q1100V當機了。要怎麼讓它恢復正常?	您可以在裝置的USB插孔旁按下重置按鈕,來重置CR-Q1100V。(重置並不會遺失資料)
為什麼我的CR-Q1100V 電源燈一直恆亮綠燈?	CR-Q1100V供電後若只有電源綠燈亮起表示裝置並不是在開機狀態,請按電源鈕兩秒將裝置重新開機才能開始下載資料。