

## RoadEZ Personal Locator mobile pack (p1-amber) User Guide

# RoadEZ 個人定位器

使用手册

Version: 1.0 Reference No.: PT-REZ-P1-00-1210UET Date: November 30, 2012

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A solid green status light indicates that the personal locator is fully charged.
 A solid red status light indicates that the personal locator is currently charging.

ltem		Functionality	
5	GSM Indicator	Slow blinking blue light (once per 3 seconds) indicates that the personal locator receives GSM signals normally. Fast blinking blue light (once per 0.8 second) indicates that the personal locator is searching GSM signals.	
6	GPS Indicator	A solid yellow status light indicates that the GPS position is fixed. Blinking yellow indicates that the GPS position is not fixed.	
7	Micro USB Port	A connection for charging battery	

## Function Setting Overview

Iter	n	Default Setting		On/Off		
SO SO	S Alert	On (by Locator)		Always On		
<b>^</b>	Once the SOS alert is triggered, you can cancel the SOS alert by long pressing the Safe Zone button. The locator will sound 3 long beeps the SOS alert is dismissed.					
Sat	e Zone	On (Radium=300	0m / by Locator)	On or Off		
<b>1</b>	To enable the s locator will sou locator will sou lf you try to en please press t	Safe Zone functio und 3 short beeps und 2 short beeps able the Safe Zon he Safe Zone but	n, long press the <b>Safe Zo</b> . When the GPS position . The <b>Safe Zone</b> function <b>the</b> function and hear 3 long ton again.	<b>ne</b> button. The is fixed, the is enabled. g beeps,		
Ge	t Position	On (by Track277	7 <b>PL</b> App)	Always On		

ltem	Default Setting	On/Off
Beep	On (60s per alert / by <b>Track277 PL</b> App)	Always On
Geofence Alert	On (Up to 10 sets / by <b>Track277 PL</b> App)	On or Off
Surrounding Sounds	Off (by Track277 PL App)	On or Off
Man Down Alert	Off (by Track277 PL App)	On or Off
No Motion Alert	Off (by Track277 PL App)	On or Off
AGPS	Off (by Track277 PL App)	On or Off
Daily Report	Off (by Track277 PL App)	On or Off
Battery Low Alert	On (<20% / by Locator)	Always On
Power Off Alert	On (by Locator)	Always On

## Function Authority of Primary & Secondary Contacts

Item	Primary Contact	Secondary Contact
Advanced Setting	Yes	No
Surrounding Sounds	Yes	No
SOS Messages	Yes	Yes
Enter / Exit Geofence Messages	Yes	Yes
Exit Safe Zone Messages	Yes	Yes
Event Messages	Yes	Yes
Веер	Yes	Yes
Get Position	Yes	Yes
Battery Low Messages	Yes	Yes
Power Off Messages	Yes	Yes

## Package Contents



## 2 Getting Started

## Insert the SIM Card

Require a SIM card with SMS services. The GPRS function is an option for AGPS.



With the angled corner of the tray as shown, carefully insert the SIM card in the tray with the correct way.

## **Place the Battery**

- ▲ Before screw up the back cover, be sure that the SIM card and the battery are installed properly.
- A The jelly case is to protect your personal locator from dust and scratches, and allows full access to the locator'sbuttons and USB port.



(1) Place the battery with the correct way.



- (2) Screw the battery cover to the personal locator.
- (3) Slip the personal tracker into the jelly case.

## **Charge the Battery**

- Charge the battery in an environmental temperature between 0°C and 45°C.
  - Please charge the battery at least 4 hours for the first-time usage.



- Connect the supplied USB cable's micro USB connector into the locator's micro USB port.
- (2) Connect the cable's USB connector into the supplied USB power adapter.
- (3) Connect the USB power adapter into an electrical outlet and charge the personal locator until the battery is fully charged.

## Install the Track277 PL App

- Please make sure to enable your smartphone's Unknown sources
   For the first download, register your personal locator at the Web site RoadEZ.systech.com.tw. Type a valid email address, the locator's serial number (S/N) and IMEI number to download the Track277 PL app and the user guide. You can find the serial number and the IMEI number near the locator's SIM card tray or at the back of the product package.
- ▲ The Track277 PL app is designed for Android 2.3 smartphones. Running the Track277 PL app on any Android 2.3+ devices may result in unexpected behavior and can potentially destabilize your device. Please feel free to contact us with any questions. We are constantly striving to improve this app and welcome your feedback.



- Use your smartphone to enter the Web site RoadEZ.systech.com.tw. Type your registered email address to download the Track277 PL app to your smartphone.
- (2) Install Track277 PL.
- (3) After the app installation is complete, you can find an icon of **Track277 PL**on **Applications**.

## Set up Primary and Secondary Contacts



(1) Tap the Track277 PL icon.



(2) A Software Registration window appears. Type your smartphone number in the My Smartphone No. text box. Tap OK.



(3) Tap Add Device on the home screen of Track 277 PL.



## A Phone Definition window appears. Tap As a Primary Contact.

The primary contact can edit the secondary contacts, access the Advanced Setting, get SOS calls and receive messages.



- (4) Type a name for your personal locator in the Device Name text box. Type the locator's SIM No. in the SIM No. text box.
- ▲ If you want to set up the secondary contacts later, skip the (5) and (6) steps.
- You can set up 2 secondary contacts by tapping Secondary Contact 1 and Secondary Contact 2.



Q Q q al = 130

dit Secondary Con

- (5) Tap Secondary Contact 1.
- The secondary contacts will be marked with "\*".
- A You may select the secondary contacts through **Phone Book**.

Type a name in the **Name** text box and a smartphone number in the **Smartphone No**. text box. Tap **OK**.

τU		
Edit Device	099	al 💷 11:41
Device Nari	ne:	NO.
SIM No.:		
Secondary	condary Conta	at 1
Se	condary Conta	#2 <b>0</b>
Save	Phone Book	Return

- (6) To set Secondary Contact2, tap Secondary Contact 2 and follow the (5) step.
- (7) Tap Save.



A an United State Model

 Control State
 Control State

An **Attention** window appears to confirm if you want to save this setting. Select **OK** to save the setting and you will be charged SMS fees.

A Learning Mode Confirmation window appears to confirm if the locator is in the learning mode. <u>DO NOT tap OK at this step.</u>

## Pair Locator to Your Smartphone



- Please press the **Power** button to turn off the locator before processing pairing.
- Simultaneously long press the locator's Safe Zone button and Power button for more than 3 seconds until hear 4 beeps to power on the locator.



Control of the contr

(2) When the locator receives GSM signals, the locator will sound 3 beeps to enter its learning mode. Meanwhile, you have to finish pairing within 2 minutes. Tap **OK** to confirm that the locator is in the learning mode.

The locator will sounds 2 short beeps and 1 long beep, and then automatically turns off. A **Pairing Confirmation** window appears. Tap **OK**. The paid SMS messages will be sent to the locator.

If the locator does not sound 2 short beeps, tap Cancel to try again.

4	2	😤 al = 11:30
Track277 PL	-	
AB( 091	C 2345678	
Add Device	Device	Device

The pairing process is complete.

## **3** Functions & Icons

## Track277 PL Home Screen



## **Message History**



ltem	lcon	Functionality
Get Position	Ŷ	Tap the button to request the locator's position. When the locator is positioned, you can receive a message and a map with a location icon.
Веер		Tap the button to look for your locator. The locator will sound beeps for 1 minute per request.
Advanced Setting	₽	Tap the button to set up 10 geofences and 5 events.

## Geofence & Event Icons

- If GPS and GSM signals are weak, the setting icon ?? may remain. Please wait for a while or carry the locator to a place with a clear view of the sky.
- When a message is read or an event is disabled, the icon will change its color to gray.

Item	lcon	Functionality
Geofence Entry	###	Enter a geofence zone. The locator will send a message to the primary and secondary contacts.
Geofence Exit	<b>1</b>	Exit a geofence zone. The locator will send a message to the primary and secondary contacts.
AGPS Function		Enable the <b>AGPS</b> function to improve the startup positioning performance.
▲ When you enable the <b>AGPS</b> function of the locator, you will be charged the GPRS fee for the locator.		
Surrounding		Enable the <b>Surrounding Sounds</b> event. When you receive a SOS alert, only the primary contact

you receive a SOS alert, only the primary contact can get a call from the locator. You can pick up the call to hear the locator's surrounding sounds.

Sounds

ltem	Icon	Functionality
Daily Report	<b>P</b>	Enable the <b>Daily Report</b> event and set a report time from 0:00 to 23:00. The primary and secondary contacts will receive a daily report from the locator. The report content includes the report time, the locator's name and total time spent in motion.
No Motion Alert		Enable and set a no motion period from 1 hour to 16 hours for the <b>NO Motion</b> event. Once the locator's idle time exceeds the no motion period, the locator will send a No Motion alert to the primary and secondary contacts.
Man Down Alert  ((())		Enable the <b>Man Down</b> event. When any abnormal impact occurs, the locator will send a Man Down alert to the primary and secondary contacts.
▲ The Man Down Alert will be triggered when the locator falls from a height of about one meter to the ground.		

## Safety & Power Icons

When a message is read or an event is disabled, the icon will change its color to gray.

Iter	n	lcon	Functionality
SO	S Alert	SOS	Long press the locator's <b>SOS</b> button to sent a SOS message alert to the primary and secondary contacts.
4	Long press	the locato	r's SOS button until you feel the vibration on the
	Once the St	 OS alert is	generated, you can cancel the SOS alert by long

Once the SOS alert is generated, you can cancel the SOS alert by long pressing the Safe Zone button. The locator will sound 3 long beeps and the SOS alert is dismissed.

ltem	lcon	Functionality
Exit Safe Zone		Press the <b>Safe Zone</b> button of the locator to enable the <b>Safe Zone</b> function. When the locator user exits the <b>Safe Zone</b> , it will send an exit Safe Zone alert to the primary and secondary contacts.
Battery Low Aler	t	When the locator's battery power is less than 20%, the primary and secondary contacts will receive a <b>Battery Low</b> alert.
Power Off Alert	\$	When the locator is manually turned off, the primary contact and secondary contacts will receive a <b>Power Off</b> alert.

	Мар	Icons
--	-----	-------

lcon	Functionality
	A red icon as the locator's position by GPS
$\bigcirc$	A blue icon as the locator's position by Cell ID
A.	A transparent green circle area on maps indicates a geofence area or the possible location of the locator while positioned by Cell ID.
	A green ball as the Smartphone's location.
K∎.	Tap the icon on the map to show or hide the map view information.
	GPS Positioning
Å	Cell ID Positioning
<b>%</b>	Get directions from the smartphone's location to the locator's position.
G	Geofence's center point

lcon	Functionality
	The red cross indicates a geofence's center point.
×	circular geofence, you can drag the red cross to your ideal
••	center point, and then tag the refresh icon 4 to renew the geofence's center point.
	When you choose Smartphone Location as the center mode
	of a circular geofence, tag the refresh icon $~~$ . The red cross will automatically move to the smartphone's location as
	the geofence's center point.
<b>4</b>	Refresh maps for geofence setting.
Save	A blue button for saving the geofence setting.

## **Geofence Setting**

- ▲ The locator can set up to 10 circular geofences.
- ▲ The minimum radius of a geofence boundary is 300 meters. Unstable or weak GPS signals may affect the positioning of the locator and false alerts may occur. With small geofences, the GPS signal fluctuation may trigger false alerts.
- 1 The paid SMS messages will be sent to the locator for each request.



#### Tap Geofence Setting.



- (1) **Name** Text Box: Type a name for a circular geofence.
- (2) **Radius** Text Box: The default setting is 500 meters.
- (3) Center: Select Address, Map Center or Smartphone Location as the geofence zone center.

If you want to set up an address as the geofence zone center, type the address in the **Address** text box.

If you select **Map Center** as the geofence zone center, drag the X icon on the map to any location to be the geofence zone center. Tag the **Refresh** icon.

- (4) Select Entry Alert and (or) Exit Alert.
- (5) Tap Save.



(6) If you want to edit or delete any existed geofences, choose the geofence item from the Geofence List screen and then tap Edit or Delete to manage your geofence settings.

## Event Setting

- 1 The paid SMS messages will be sent to the locator for each request.
- If GPS and GSM signals are weak, the setting icon 2 may remain. Please wait for a while or carry the locator to a place with a clear view of the sky.

### AGPS Function

AGPS (Assisted GPS) accelerates calculation of GPS positions. The default setting is **Disable**. To enable **AGP Function**, select the **AGPS** function and tap **Enable**.





An Enable Event Report window appears to confirm if you want to enable this AGPS function. Tap OK.



An APN Name window appears. Tap OK.

In the **Event List** screen, a setting icon **?** appears. Once the **AGP Function** is active, the icon will change to **?**.

### Surrounding Sounds

When a SOS alert occurs, the locator will give a call to the primary contact. You can pick up the call to hear the surrounding sounds of the locator. The default setting is **Disable**. To enable **Surrounding Sounds**, select **Surrounding Sounds** and tap **Enable**.

- ▲ If you do not want to pick up a SOS call, you **HAVE TO** pick up the SOS call first and then hang up the call.
- ▲ If you miss or reject a SOS call, the SOS call will be diverted into the primary contact's voicemail box. This will generate extra airtime charges. Besides, the **Get Position** function of the locator will not be accessed during the SOS call.



An Enable Event Report confirmation window appears to confirm if you want to enable the Surrounding Sounds function. Tap OK.

In the **Event List** screen, a setting icon 💞 appears. Once the **Surrounding Sounds** is active, the icon will change to 🔟 .

### Man Down Alert

The default setting is **Disable**. To enable **Man Down Alert**, select **Man Down Alert** and tap **Enable**.



An Enable Event Report confirmation window appears to confirm if you want to enable the Man Down alert. Tap OK.

In the Event List screen, a setting icon 🤣 appears. Once the Man Down Alert is active, the icon will change to (((())).

### Daily Report

The content of **Daily Report** includes the report time, the locator's name and total time spent in motion.



The default setting is **Disable**. To enable **Daily Report**, select **Daily Report** and tap **Enable**.

#### Tap 🔻 to set the report time from 0:00 to 23:00. Tap **OK**.





An **Enable Event Report** confirmation window appears to confirm if you want to enable the **Daily Report** setting. Tap **OK**.

In the **Event List** screen, a setting icon ?? appears. Once the **Daily Report** is active, the icon will change to (A).

#### No Motion

The locator can calculate its motionless time. The **No Motion** alert can remind the primary and secondary contacts that the locator does not move for a period of time.



The default setting is **Disable**. To enable **No Motion**, select **No Motion** and tap **Enable**.

Tap 🔽 to set the report time from 1 hour to 16 hours. Tap **OK**.

🖏 🐨 all 💷 11:57	0	🛛 👳 📶 💳 13:11		) 🕄 👻 📶 💳 13:11
Event Liste My 1st P1-213 0963307213	2Hour(s)		Event List	963307213
AGPS Function (Enable)	3Hour(s)	0	Daily Repo [Enable]	ort 🔵
III	Hour(s)	0	AGPS Funi	ction 🔵
1Hour(s) D	5Hour(s)	0	8Hours	Time 🗸 🕽
OK Cancel	6Hour(s)	6	окр	Cancel
(Enable)	7Hour(s)	0		
Z [Disable]	8Hour(s)	۲		•
Enable Disable	9Hour(s)	۲	Enable	Disable



An **Enable Event Report** confirmation window appears to confirm if you want to enable the **No Motion** setting. Tap **OK**.

In the Event List screen, a setting icon  $\sqrt[3]{2}$  appears. Once the No Motion is active, the icon will change to  $\boxed{2}$ .

## **Exit Safe Zone Alert**

When the locator exits the safe zone, the primary and secondary contacts will receive an **Exit Safe Zone** alert. Once the **Exit Safe Zone** alert is triggered, the **Safe Zone** setting is automatically disable.



▲ The Safe Zone's radius is 300m.

To enable this function, long press the **Safe Zone** button. The locator will sound 3 short beeps. When the GPS position is fixed, the locator will sound 2 short beeps. The setting is successful complete.

If you hear 3 long beeps, it means that the SOS alert is dismissed. Please press the Safe Zone button again to enable the Safe Zone alert.

To disable the **Safe Zone** setting, long press the **Safe Zone** button. The locator will sound a long beep.

## Battery Low Alert

When the locator's battery power is less than 20%, a **Battery Low** alert will be generated. The primary and secondary contacts will receive a **Battery Low** alert.

## Power Off Alert

When the locator is manually turned off, the primary and secondary contacts will receive a **Power Off** alert.

## **4** Managing Your Personal Locator

## **Message History**



To delete or switch messages between unread and read, press the smartphone's **Menu** button.

**Delete Messages:** Select the messages you want to delete. Press the smartphone's **Menu** button and then tap **Delete Messages**. A notification window will be shown to confirm if you are sure to delete the selected messages. Tap **OK** to delete the selected messages.



#### Get Directions



You can get directions from the smartphone's location to the locator's location. Tap the icon on a map to plan a route through Google Maps.

#### Add to Geofence



If you want to set up a geofence based on the locator's location of the map. Tap the smartphone's **Menu** button and then tap **Add to Geofence**.

A Geofence Map View page will appear. Type a name in the Name text box. Select Enter Alert and (or) Exit Alert. Tap Save.

A notification window will be shown to confirm if you are sure to add a geofence. Tap **OK**.

1 The paid SMS messages will be sent to the locator for each request.

## Environment Setting

#### Set a Password

▲ If you enable the **Password Protection**, you have to key in the password for using the software next time.



On the **Track277 PL** main screen, select a device and then press the smartphone's **Menu** button. Tap **Environment Setting**. Enable the **Password Protection** item. Type in a password. Press **OK**.

If you want to disable the **Password Protection**, type in the password and tap **Password Protection** to disable this function.

#### Change the Registered Smartphone Number



On the Environment Setting screen, tap Set My Smartphone.

A **Software Registration** window appears. Type your new smartphone number in the **My Smartphone No.** text box. Tap **OK**.

If you change your smartphone's SIM card, you have to modify the registered smartphone number.

## Software Update

On the **Track277 PL** main screen, tap **Version**. If there is new software version found, a **Software Update** window will appear. Tap **Download Now** or **Download Later**.

If select **Download Now**, an **Application Replacement** window will appear. Tap **OK** to download the latest version of **Track277 PL**, and then Tap **Install**.



▲ The new versions of the Track277 PL software are released aperiodically. Please frequently check Version on the Track277 PL main screen for updates.

# 5 General Usage Information

## GPS Signals

GPS devices work under open sky conditions in order to receive satellite signals. For optimal operating conditions, your locator needs to be in clear, unobstructed view of the sky for operation.

When you place the locator in clothing, bags, backpacks, to name a few, please ensure that there is no solid material above or surrounding the locator which may block or weaken the GPS signals.

GPS satellites are in constant motion, rising and setting. Therefore, a location of the GPS positioning, was obtainable in a specific location, may not be obtainable in the next try. There is no fault with the device. Please wait a while and then try to obtain a new location again.

## Coverage Information

Coverage isn't available everywhere when using your device outdoors under optimal conditions due to network problems, software, signal strength, your wireless device structures, buildings, weather, geography topography, to name a few, and will result in dropped and blocked connections, slower data speeds, or otherwise impact the quality of services.

Estimating wireless coverage and signal strength is not an exact science. Services that rely on location information depend on your device's ability to acquire satellite signals (often not available indoors) and network coverage.

## 6 Specification & Certification

## Specification

Dimensions (L x W x H)	77mm x 51mm x 17mm
Weight	80g
Communications	GSM 850/900/1800/1900,Voice, SMS
GPS Reveiver	20 Channels or above
Datum	WGS-84
Battery	3.7V, 750mA, Lithium-Ion
USB Power Adaptor	Input: 100-240VAC, 0.15A Output: 5VDC, 1A 0°C ~ +45°C
Operating Temperature	-20°C ~ +60 °C
Ingress Protection Rating	The locator has a rating of IP65, which is totally protected from dust and low-pressure jets.

## Certification

### CE Certification (L960606L172)

The personal locator shown in the test report were made in accordance with the procedures given in European Council Directive 1999/5/EC. The equipment was passed the test performed according to EN 62311:2008, OET Bulletin 65 Supplement C (Edition 01-01), EN 300 440-2 V1.2.1 (2008-05) and EN300 440-1 V1.4.1 (2008-05). The testing performed and shown in the report was conducted as per the requirements of GCF and PTCRB. The equipment was passed the test performed according to 3GPP TS 51.010-1 V8.2.0 (NAPRD.03 V4.0 and GCF-CC V3.30.1).

### FCC Regulations (RLS-STAVL0924)

This locator complies with 47 CFR, Part 2 and Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

## Specific Absorption Rate (SAR)

This locator belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user. Limit for General Population/Uncontrolled exposure should be applied for this device, it is 2.0W/kg as averaged over any 10 gram of tissue.

## PTCRB

The locator complies with PTCRB Certification. The purpose of the PTCRB is to provide the framework within which Cellular GERAN (GSM), UTRA (UMTS) and E-UTRA (LTE) mobile devices and modules obtain Type Certification for usage on PTCRB Operator networks.

## 7 Safety & Warranty Information

## Safety Information

Your RoadEZ Personal Locator contains Lithium-Ion batteries. Leakage of ingredients contained within the battery pack or the combustion of ingredients can cause personal injury to you and your locator. If battery leakage occurs, avoid contact with skin. If contact occurs, immediately wash thoroughly with soap and water. If liquid leaking from battery pack comes in contact with your eyes, immediately flush your eyes thoroughly with water and contact your doctor. In case of ingestion, immediately contact your doctor and (or) go to the emergency room of your nearest hospital.

## Limited Warranty

#### What the warranty covers

S&T warrants its products to be free from defects during the warranty period. If a product proves to be defective during the warranty period, S&T will, at its sole option, repair or replace the product. Replacement the product or parts may include remanufactured or refurbished parts or components.

#### How long the warranty is effective

S&T products are warranted for one year from the date of receiving products and 90 days limited accessory warranty. All accessories purchased separately are warranted for 90 days. You may be required to ship/transport your covered product to a designated repair center.

#### Who the warranty protects

This warranty is valid only for the first consumer purchaser.

#### What the warranty does not cover

- Any product on which the serial number has been defaced, modified or removed.
- (2) Damage, deterioration or malfunction resulting from:
  - i. Accident, misuse, neglect, fire, water, lightning, or other acts of nature.
  - Unauthorized product modification, or failure to follow instructions supplied with the product.
  - iii. Repair or attempted repair by anyone not authorized by S&T.
  - iv. Damage to or loss of any programs, data or removable storage media.
  - v. Software or data loss occurring during repair or replacement.
  - vi. Any damage of the product due to shipment.
  - vii. Causes external to the product, such as electric power fluctuations or failure, human negligence or natural disasters.
  - viii. Use of supplies or parts not meeting S&T's specifications.
  - ix. Any other cause which does not relate to a product defect.

### How to get service

- To obtain warranty service, please contact S&T by email (rma@systech.com.tw) for a Return Merchandise Authorization number (RMA No.). You will be required to provide
  - i. Your name (Full name).
  - ii. Your ship-to address, email address and phone number.
  - iii. The serial number and the IMEI number of the product.
  - iv. A description of the problem.
- (2) Bring or ship the product according to the shipping information provided by S&T, with the associated accessories, to the S&T service center.
- (3) S&T is not responsible for any returned product without an assigned RMA.

#### How long to process a RMA

Any returned product with an assigned RMA will be repaired or replaced within 10 days from receiving the returned product.

#### Limitation of implied warranties

There are no warranties, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

### Exclusion of damages

S&T's liability is limited to the cost of repair or replacement of the product. S&T shall not be liable for:

- (1) Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationship, or other commercial loss, even if advised of the possibility of such damages.
- (2) Any other damages, whether incidental, consequential or otherwise.
- (3) Any claim against the customer by any other party.

#### Effect of local law

This warranty gives you specific legal rights, and you may also have other rights which vary from locality to locality. Some localities do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

## Contact

In case you have problems with the use of the product beyond your possibilities to solve it, please address them to S&T by email st-online@systech.com.tw. We would be pleased to be of any assistance to you.



個人定位器簡介





RoadEZ 個人定位器使用手冊

項目		功能說明
5	GSM 指示燈	慢閃藍燈(每 3 秒閃一次)表示定位器接收 GSM 訊號 正常。
		快閃藍燈(每 0.8 秒閃一次)表示定位器正在搜尋 GSM 訊號。
6	000 til - til	亮黃燈表示 GPS 已定位成功。
	GPS 指示短	閃黃燈表示 GPS 未定位。
7	Micro USB 阜	充電用 USB 接頭。

## 功能設定簡介

項目	預設	開啟 / 關閉
装置定位	開啟(由 Track277 PL 應用軟體 發出)	永遠開啟
定位器嗶響	開啟(每次告警響 60 秒 / 由 Track277 PL 應用軟體發出)	永遠開啟
電源關閉告警	開啟(由定位器發出)	永遠開啟
低電告警	開啟(<20% / 由定位器發出)	永遠開啟
緊急通報 SOS	開啟(由定位器發出)	永遠開啟
<ul><li>▲ 如欲取消最近-</li><li>3長嗶聲(嗶-</li></ul>	次 <b>警急通報</b> ,請長壓定位器之 <b>安全圍籬</b> 嗶—嗶—),表示 <b>警急通報</b> 被解除。	<b>鍵</b> 。當定位器發出

RoadEZ 個人定位器使用手冊

項目	功能說明	
安全圍籬	開啟(半徑為 300 公尺 / 由定位器設定)	可開啟或關閉
▲ 若要開啟 <b>安全圍</b> 再響2短聲(嗶 ▲ 如要開啟 <b>安全圍</b> 長壓一次 <b>安全圍</b>	離,請長壓 <b>安全圍籬按鍵</b> 。定位器響3 躍叫),表示安全圍籬功能已開啟。 <b>J籬</b> 功能,但定位器卻發出3長聲(嗶— J <b>籬按鍵</b> 。	短聲(嗶嗶嗶), 嗶一嗶— ),請再
電子圍籬告警	開啟(最多可設定 10 組電子圍籬 / 由 <b>Track277 PL</b> 應用軟體設定)	可開啟或關閉
碰撞異常告警 (( <b>〕)</b>	關閉(由 Track277 PL 應用軟體 設定)	可開啟或關閉
AGPS 功能	關閉(由 Track277 PL 應用軟體 設定)	可開啟或關閉
每日回報	關閉(由 Track277 PL 應用軟體 設定)	可開啟或關閉
SOS 環境聲音	關閉(由 Track277 PL 應用軟體 設定)	可開啟或關閉
靜置過久	關閉(由 Track277 PL 應用軟體 設定)	可開啟或關閉

## 主要及次要回報人之設定與接收權限

項目	主要回報人	次要回報人
進階設定	可	不可
SOS 環境聲音	可	不可
緊急通報	可	可
進入 / 離開電子圍籬告警	可	可
離開安全圍離告警	可	可
事件回報訊息	可	可
嗶聲	可	可
定位	可	可
低電告警	可	可
電源關閉告警	可	可



定位器 x 1



USB 電源線 x 1



洣你螺絲起子 x 1



USB 電源變壓器 x 1



透明保護套 x 1





迷你螺絲 x 2



User Guide x 1





## 安裝 SIM 卡

▲ 請自行準備一片含 SMS 簡訊服務之 SIM 卡。使用 AGPS 則 SIM 卡需含 GPRS 功能。



確定 SIM 卡缺角方向,將 SIM 卡裝入定位器之 SIM 卡插槽。

安裝電池

- ▲ 在鎖上電池蓋前,請確認 SIM 卡及電池已安裝完成。
- ▲ 透明保護套是為保護定位器免於污塵及刮傷。套上保護套仍可正常使用定 位器各按鍵及 USB 阜。



(1) 將電池以正確方向置入定位器中。

- (2) 將定位器鎖上電池蓋
- (3) 將定位器套上透明保護套。



▲ 請勿在溫度超出 0°C 至 45°C 之間進行充電。
 ▲ 電池第一次使用時,請先充電至少四小時。



- (1) 連接所附 USB 電源線之 Micro USB 接 頭至定位器之 Micro USB 阜。
- (2) 連接此 USB 電源線之一般 USB 接頭至 所附 USB 電源變壓器。
- (3) 將此 USB 電源變壓器插至電源插座進 行充電。

## 安裝 Track277 PL 應用軟體

 ▲ 請先確定您的智慧型手機之未知的來源已開啟。
 ▲ 第一次下載 Track277 PL 應用程式,請先於定位器網站 「RoadEZ.systech.com.tw」註冊。請輸入有效的電子郵件信箱及定位 器之產品序號(S/N)與 IMEI 碼,進行 Track277 PL 應用程式及使用手 冊下載。

(1)使用您的智慧型手機進入「RoadEZ.systech.com.tw」網站。輸入已註 m之電子郵件信箱下載 Track277 PL 應用軟體至手機中。



- (2) 安裝 Track277 PL 應用軟體。
- (3) 安裝完成後,您可發現 Track277 PL 圖示顯示 於手機之應用程式中。

## 設定主要及次要回報人



- 大師主冊 本相対はS OSF654321 OK Cancel
- (2) 出現軟體註冊視窗。於本機號碼欄位輸入智慧 型手機號碼。觸壓 OK 鍵。



(3) 於 Track 277 PL 主畫 面觸壓新增裝置鍵。

> 出現**手機定義**視窗。 觸壓**設為主要回報** 人。

▲ 主要會報人可編輯次 要連絡人、進行 Track277 PL 之進階 設定、接收訊息及可 接聽緊急通報電話聽 取環境聲音。

*	🖓 💎 .dl 💳 11:18
编辑获置	
裝置命名及5	IM號碼設定
装置名稿:	ABC
IM卡號碼:	
次要回報人對	定
2	文要回報人1
2	欠要回報人2
儲存	返回

2 - 11:18

- (4) 於裝置名稱欄位輸入定位器名稱。於 SIM 卡號 碼欄位輸入定位器之 SIM 卡電話號碼。
- ▲ 如暫不設定次要回報人,請省略(5)及(6) 步驟。
- ▲ 次要回報人共可設定2組,請觸壓次要回報人1 及次要回報人2。

- (5) 觸壓次要回報人 1。
- ▲ 次要回報人於 Track277 PL 首頁將以「★」號 表示。\_\_\_\_\_\_\_
- 小 次要回報人電話號碼可由電話簿中選擇。

113

は晋名冠・

IM卡號碼:

欠要问 服人 192

置命名及SIM被碼的

ABC

次要回報人1 次要回報人2 。



於**姓名**欄位輸入次要回報人名字。於**手機號碼**欄位 輸入此次要回報人之手機號碼。觸壓**確定**鍵。

- (6) 設定次要回報人2,請觸壓次要回報人2,並重 復步驟(5)
- (7) 觸壓儲存鍵。



出現 Attention 視窗,確認是否要儲存設定。選擇 OK。此設定將需支付簡訊費。



出現學習模式確認視窗,以確定定位器是否已進入 學習模式。此時不要觸壓視窗之OK鍵。



▲ 在進行配對前,請確定定位器為關機狀態。



(1) 同時長壓(至少3秒)定位器之安全圍籬鍵及 電源鍵,直到聽到4嗶聲。



(2) 當定位器接收到 GSM 訊號,定位器將再發出 3 嗶聲,即進入學習模式。 此時,您有 2 分鐘的配對時間。觸壓學習模式 確認視窗之 OK 鍵。



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定位器發出2短嗶聲及1長嗶聲,並自動關機。 Track277 PL畫面出現配對確認視窗。觸壓確定 鍵。付費簡訊將傳送至定位器。

▲ 如果定位器未發出 2 短嗶聲,請觸壓 Cancel 鍵,再試一次。

定位器及手機定位完成。



## Track277 PL 主畫面







項目	圖示	功能
定位	9	觸壓此定位按鍵,以獲得定位器位置。當定位 完成,可接收定位簡訊及觀看位置地圖。
嗶聲	<b>A</b> 1)	觸壓此按鍵,定位器將發出1分鐘嗶聲,可找尋 定位器。
進階設定	¢	進階設定可設定 10 組電子圍籬及 5 項事件設 定。

## 🛑 電子圍籬及事件之圖示

<ul> <li>▲ 若 GPS 及 GSM 訊號微弱時,確認中之圖示</li> <li>約</li> <li>約</li> <li>將定位器攜帶至戶外無遮蔽物場所。</li> <li>▲ 當訊息已讀取或事件已關閉,圖示將以灰階顯示。</li> </ul>			
項目 圖之	토 것	)能	
進入電子圍籬	<b>〕</b> 元		
離開電子圍籬 🛔	〕	它位器將發出離開電子圍籬訊息予主要及次要回報人。	
AGPS 功能		J加強定位器之 GPS 定位功能。	
▲ 當開啟定位器之 AGPS 功能,將增加 GPRS 費用。			
SOS 環境聲音 👖	當	當開啟 <b>\$0\$ 環境聲音</b> 事件功能,主要回報人將可透過 使用者以定位器發出的來電,聽取環境聲音。	
每日回報		」 到設定 0:00 至 23:00 之 <b>每日回報</b> 。主要及次要回報人 可接收訊息。內容包括回報時間、定位器名稱、總移 劢時間。	
靜置過久告警		J設定 1 小時至 16 小時之 <b>靜置過久告警。</b> 當時間超過 段定之小時數,主要及次要回報人可接收 <b>靜置過久告</b> <sup>會</sup> 。	



項目	圖示	功能		
警急通報	SOS	長壓定位器之 <b>警急通報</b> 鍵,定位器將發出訊息至 主要及次要回報人。主要回報人可透過使用者以 定位器發出的來電,聽取環境聲音。		
<ol> <li>▲ 長壓定位器</li> <li>▲ 如欲取消最 3 長嗶聲(</li> </ol>	之 <b>警急通報</b> 近一次 <b>警急</b> 暉一嗶一嗶	<b>鍵</b> 直到手指感受到按鍵振動。 <b>題報</b> ,請長壓定位器之 <b>安全圍籬</b> 鍵。當定為器發出 — ) ,表示 <b>警急通報</b> 被解除。		
離開安全圍籬台	i 😥	按壓定位器之 <b>安全圖籬</b> 鍵啟動 <b>離開安全圖籬告警。</b> 當定位器使用者 <b>離開安全圖籬範團</b> ,定位器將發 出訊息至主要及次要回報人。		
<ul> <li>▲ 若要開啟安全圍籬,請長壓安全圍籬按鍵。定位器響3短聲(嗶嗶嗶), 再響2短聲(嗶嗶),表示安全圍籬功能已開啟。</li> <li>▲ 如要開啟安全圍籬功能,但定位器卻發出3長聲(嗶—嗶—嗶—),請再 長壓一次安全圍籬按鍵。</li> <li>▲ 安全圍籬範圍為半徑300公尺。</li> </ul>				
電量不足告警		當定位器電量少於 20%,定位器將發出訊息至主 要及次要回報人。		
電源關閉告警	\$	當定位器遭斷電,定位器將發出訊息至主要及次 要回報人。		

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圖示	功能
	紅色定位圖示表示定位器 GPS 位置
$\bigcirc$	藍色定位圖示表示定位器基台位置
A. X	藍色圓形範圍表示電子圍籬範圍或定位器以基台定位可能的位置
	綠色圓圖示表示手機位置
<b>™</b> ∎	雙箭頭圖示表示顯示或隱藏地圖觀看資訊
	GPS 定位圖示
à	基台定位圖示
<b>\$</b> .*	規劃路徑圖示
G	電子圍籬中心點
×	<ul> <li>紅色十字圖示表示電子圍籬之中心點。</li> <li>當中心欄位選擇以地圖中心選項為電子圍籬之中心點,可移動此</li> <li>紅色十字圖示至想要設定的位置,再觸壓更新鍵</li> <li>・更新設定位置。</li> <li>當中心欄位選擇以手機位置選項為電子圍籬之中心點,觸壓更新</li> <li>鍵</li> <li>・紅色十字圖示將自動移至地圖上手機位置,設定電子</li> <li>圍籬之中心點。</li> </ul>
47	更新電子圍籬地圖
儲存	藍色鍵儲存電子圍籬設定

### 電子圍籬設定

企業業務委可設定 10 組電子圍籬。

▲ 最小電子圍籬半徑為 300 公尺。不穩定或微弱的 GPS 訊號可能影響定位 器定位,誤報訊息可能會發生。電子圍籬之半徑設定愈小,愈容易因 GPS 訊號漂移而造成訊息誤報情況。

▲ 每次功能需求將傳送付費簡訊至定位器。



觸壓**電子圍籬設定**鍵。

- (1) 名稱欄位:輸入電子圍籬名稱。
- (2) 半徑欄位:輸入半徑數值。預設值為500公尺。
- (3)中心欄位:可選擇地址、地圖中心或手機位置

為電子圍籬中心設定。 若欲選擇地址為電子圍籬之中心,請於地址欄 位輸入地址。

若欲選擇**地圖中心**為電子圍籬之中心,請於地圖上移動紅色十字圖示 × 至欲設定為電子圍籬中心之位置。觸壓 + 更新地圖。

- (4) 觸壓選擇進入告警及(或)離開告警。
- (5) 觸壓儲存鍵 🗰 。



(6)若欲編輯或刪除已設定之電子團籬,可於電子 圍籬列表畫面點選電子圍籬,再觸壓編輯或刪 除鍵進行電子圍籬管理。



 ▲ 每次功能需求將傳送付費簡訊至定位器。
 ▲ 若 GPS 及 GSM 訊號微弱時,確認中之圖示 ⑦ 將持續顯示。請稍等 或將定位器攜帶至戶外無遮蔽物場所。

#### AGPS 功能

AGPS(Assisted GPS)能加速 GPS 定位。預設為關閉。點選 AGP 功能,觸 壓**功能開啟鍵**。



出現**開啟事件回報**視窗, 確認是否要開啟 AGP 功 能。觸壓 OK 鍵。



出現 APN **名稱**視窗。觸壓 OK 鍵。



SOS 環境聲音

主要回報人將可透過使用者以定位器發出的來電,聽取環境聲音。預設為關閉。 點選 SOS 環境聲音,觸壓功能開啟鍵。

▲ 若不接聽來電,仍<u>必須</u>先接起電話,再掛斷。

若漏接或拒接定位器發出之來電,電話將會轉至主要回報人之手機語音信 箱,可能會產生額外之通話費,且於通話中無法使用定位功能。



#### 碰撞異常告警



預設為關閉。點選**碰撞** 異常告警,觸壓功能開 啟鍵。

出現**開啟事件回報**視 窗,確認是否要開啟**碰 撞異常告警。**觸壓 OK 鍵。

事件列表視窗,確認中之圖示 💞 將顯示,待碰撞異常告讐設定成功,圖示 轉變為碰撞異常告讐圖示 般 。

#### 每日回報



每日回報內容包括回報時間、定位器名稱、總移動時 間。預設為關閉。點選每日回報,觸壓功能開啟鍵。



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0:00

1:00

2:00

4:00

5:00

6:00

7:00

觸壓 💌 設置回報時間(0:00 至 23:00)。觸壓 OK 鍵。





出現開啟事件回報視窗,確認是否要開啟每日回報。 觸壓 OK 鍵。

在事件列表表視窗,確認中之圖示 <?? 將顯示,待每日回報設定成功,圖示轉變為每日回報圖示 (為)。

靜置渦久

1049



定位器可計算**靜置過久**時間。當定位器經過一段時間 無移動,主要及次要回報人將收到靜置過久告警。預 設為關閉。點選靜置過久,觸壓功能開啟鍵。

觸壓 💌 設置回報時間(1小時至16小時)。 觸壓 OK 鍵。





出現**開啟事件回報**視窗,確認是否要開啟**靜置過久**。 觸壓 OK 鍵。

在事件列表視窗,確認中之圖示 🕙 將顯示,待靜 置過久設定成功,圖示轉變為靜置過久圖示 🔀 。

離開安全圍籬告警

當定位器位置超過安全圍籬範圍,主要及次要回報人將收到離 開安全圍籬告警,安全圍籬設定即自動關閉。

▲ 安全圍籬半徑為 300 公尺。

長壓定位器上之安全圍籬按鍵,開啟安全圍籬。定位器將響3 短聲(嗶嗶嗶)。當GPS定位成功,再響2短聲(嗶嗶),表 示安全圍籬功能已開啟。

▲ 如要開啟**安全圍籬**功能,但定位器卻發出3長聲(嗶一嗶 一嗶一),表示關閉最近一次之 SOS 緊急通報,請再長壓 一次**安全圍籬**按鍵。

### 電量不足告警

當定位器之電池電量低於 20% 時,主要及次要回報人將會收到電量不足告警。

### 電源關閉告警

當定位器之電源被關閉,主要及次要回報人將會收到電源關閉告警。



歷史訊息



若要刪除訊息或切換已讀及未讀訊息,可按手機之 目錄鍵。

**删除訊息**:點選欲刪除之訊息。按手機之目錄按 鍵,再按**刪除訊息鍵。**出現刪除訊息確定視窗,按 OK 鍵。

地圖觀看

路徑規劃



觸壓地圖上之路徑規劃圖示 👽,即可透過 Google Maps 規劃手機至定位器位置之路徑。

#### 增加為電子圍籬



若欲以地圖上之定位器位置設定為電子圍籬,按 手機之**目錄**鍵,再按**新增為電子圍籬鍵**。

出現電子圍籬地圖觀看確定視窗,於名稱欄位輸入 電子圍籬名稱,並選擇進入告警及(或)離開告警。 按儲存鍵。

出現新增電子圍籬確定視窗,按 OK 鍵。

▲ 每次功能需求將傳送付費簡訊至定位器。

環境設定

設定密碼

▲ 若欲使用**密碼保護**,請輸入一組密碼。日後使用 Track277 PL 應用軟體皆 需輸入此密碼。



#### 更改已註冊之手機號碼



於環境設定畫面,觸壓設定本機號碼,出現軟體 註冊視窗,輸入新的手機號碼,再按確定鍵。

▲ 若手機更換 SIM 卡,請務必更改 Track277 PL 所設定之手機號碼。

更新軟體

於 Track277 PL 主畫面,選擇裝置,按手機之目錄鍵,再觸壓版本鍵。若 有新的軟體版本,將出現軟體更新視窗,可點選立即下載或稍後下載。 若選擇立即下載,將出現軟體更新視窗,按確定鍵下載最新 Track277 PL 版 本,再按安裝鍵進行更新軟體安裝。

▲ Track277 PL 軟體將不定期發布更新版本,請常檢查版本,以進行軟體更 新。





## GPS 訊號

GPS 裝置可使用於戶外無遮蔽物之空間。為了獲得最佳的操作條件,定位器 必須於戶外無遮蔽物之空間使用。

當您將定位器置於服裝、袋子、背包(僅舉幾例)內,請確保定位器上方或 周圍沒有堅實的物體阻擋或削弱 GPS 訊號。

GPS 衛星會不斷地移動、上升及下降。因此,已獲得 GPS 定位之特定位置 可能無法在下次定位時仍成功定位。這種情況屬於 GPS 衛星特性,並非定位 器故障。請稍候片刻,再嘗試進行定位。

## 覆蓋資訊

當於最佳條件下於戶外使用定位器,覆蓋範圍可能受許多因素影響,如網絡 問題、軟體、訊號強度、無線裝置架構、建築、氣候、地理地形(僅舉幾例), 會因中斷及阻隔連線、傳輸速度變慢或以其他方式影響服務的品質。

估算無線覆蓋範圍和訊號強度不是一門精密科學。依賴位置資訊之服務將取 決於裝置獲取衛星訊號(通常不適用於室內)及網絡覆蓋的能力。



規格

尺寸(高 x 寬 x 深)	77 公厘 x 51 公厘 x 17 公厘
重量	80 克
通訊模式	GSM 850/900/1800/1900,Voice, SMS
GPS 接收器	可同時接收 20 顆以上的衛星資訊
座標系	WGS-84
電池	3.7V,750mA,鋰離子電池
USB 電源變壓器	輸入: 100-240VAC, 0.15A 輸出: 5VDC, 1A
操作溫度	-20°C ~ +60 °C
防塵防水等級	IP65(可防塵及防噴水)

認證

#### CE 認證 (L960606L172)

在測試報告中說明,本定位器為依照 European Council Directive 1999/5/EC 程序進行測試,並根據 EN62311:2008、OET 公告 65 附錄 C(01-01 版)、 EN300 440-2 V1.2.1(2008-05) 及 EN300440-1 V1.4.1(2008 年 - 05) 通過測試。依照 GCF 及 PTCRB 要求,通過根據 3GPP TS51.010-1 V8.2.0 (NAPRD.03 V4.0 及 GCF-CC V3.30.1)測試。

#### FCC 規範 (RLS-STAVL0924)

本定位器符合 47 CFR,Part 2 及 FCC 規則之 Part 15。在住宅區安裝時,所 規範之限限制旨在提供合理的保護,防止有害干擾。

#### 特定吸收比率 (SAR)

本定位器屬於可攜式裝置類別,其輻射結構允許被使用距離人體 20 公分以內。 總人口與非受控曝光比之限制(2.0W/kg,平均每 10 克人體組織)應適用於本 裝置。

#### PTCRB

本定位器符合 PTCRB 認證。PTCRB 是由移動網路運營商創建的全球組織,它 為設備製造商提供針對 Cellular GERAN (GSM)、UTRA (UMTS)及 E-UTRA (LTE)類型認證的獨立評估過程。

## 7 安全及產品保固資訊

## 安全資訊

本定位器附含鋰離子電池,漏出之電池內含成分可能會造成人身傷害及定位 器損壞。若電池發生漏損,避免與皮膚接觸。若發生接觸,應立即使用肥皂 和水徹底清洗。若電池漏液接觸到眼睛,應立即用清水徹底沖洗眼睛,並與 醫生聯繫。若不小心食取漏液,立即與醫生聯繫及(或)至最近醫院之急診 室處理。

## 有限保固

#### 保固範圍

康訊科技提供保固期內之產品缺陷保固。如果產品在保固期內有缺陷,康訊科 技將提供修理或更換產品。更換的產品或零件可能包括重新製造或整修的零件 或組件。

#### 保固有效期限

康訊科技產品的保固期為一年,由收到產品之日起計算,而配件的保固期為 90 天。單獨購買配件的保固期為 90 天。您可能會被要求將產品運送到指定的維 修中心。 本保固僅適用於該產品之第一位購買者。

#### 非保固範圍

- (1) 任何產品的序號被損毀、修改或移除。
- (2) 因以下原因導致產品的損壞、損傷或故障:
  - 意外事故、濫用、疏忽、火災、水、閃電或其他自然災害。
  - ii. 未經授權的產品修改或未遵循隨產品提供的說明。
  - iii. 未經康訊科技授權,由任何人進行修理或試圖修理。
  - iv. 對產品任何程式、數據資料或可移動之存儲載體之損壞或遺失。
  - v. 維修或更換產品時造成的軟體或數據資料遺失。
  - vi. 由於運輸造成的任何產品損壞。
  - vii. 外部原因導致,如電力波動或故障、人為疏忽或自然災害。
  - viii. 使用的電源或零件不符合康訊科技產品規格。
  - ix. 任何不涉及到產品缺陷的其他的原因。

#### 如何獲得保固服務

- (1)要獲得保固服務,請將訊息寄至電子郵件信箱(rma@systech.com.tw) 聯繫康訊科技,以取得退貨商品授權碼(RMA No.)。您將被要求提供以 下資訊:
  - i. 名字(全名)
  - ii. 您的寄送地址、電子郵件信箱和電話號碼。
  - iii. 該產品的序號及 IMEI 碼。
  - iv. 產品問題說明。
- (2) 攜帶或依康訊科技之運送說明將產品送至康訊科技的服務中心。
- (3) 康訊科技對未有退貨商品授權(RMA No.)之任何返回產品不負任何責任。

#### 維修所需時間

任何有維修商品授權碼之退回產品將於收到日 10 天內進行維修或更換。

#### 默示保固之限制

超出所載的描述,如針對特定用途的適銷性和適用性的暗示保固,皆無提供任何保固。

#### 損失免責條款

康訊科技的責任僅限於修理或更換的產品的成本。康訊科技不應承擔以下責任:

- (1)產品缺陷造成其他財物的損害。基於不便、利益損失、商業機會損失、商 譽損失、業務關係的干擾或其他商業損失之損害,即使已被告知此類損害的可能性。
- (2) 任何其他損害,不論是偶然的、間接的或以其他方式。
- (3) 任何他方對客戶提出的任何索賠。

#### 當地法律之影響

本保固賦予您特定的法律權利。因地區而異,您可能還擁有其他權利。有些 地區不允許限制默示保固及(或)不允許排除偶然的或後果性的損害,因此, 上述限制和排除可能對您不適用。

## 連絡資訊

如有使用產品的問題,您可以透過電子郵件, 寄至 st-online@systech.com.tw,康訊科技將很高興能提供您任何協助。