

使用手冊

User Manual

TA-82P



1. 產品介紹 Product Introduction

中繼器旨在放大來自藍牙低功耗 TPMS（輪胎壓力監測系統）系統感測器的訊號。在車輛尺寸和過多的金屬可能阻礙訊號接收或乾擾阻止，中繼器會增加感測器的傳輸強度和距離。

The Repeater is designed to amplify the signal from your Bluetooth Low Energy TPMS (Tire Pressure Monitoring System) system sensors. In situations where the size of the vehicle and excessive metal may obstruct signal reception or interference prevents, the Repeater increases the sensors transmitting strength and distance.

2. 產品規格 Repeater Specification

● 卡車中繼器規格 Truck Repeater Specification

| | |
|----------------------------|---|
| Standard operating Voltage | 12V / 24V |
| Operating Humidity | 90 % Max. |
| Operating Temperature | -40°C to 105 °C |
| Storage Temperature | -40°C to 125 °C |
| Operating Frequency | Bluetooth Low Energy 5.2, 2400MHz~2483.5MHz |
| Transmitter Power | 21 dBm Max. |
| Receiver Sensitivity | >-100 dBm |
| Modulation format | GFSK |
| Data rate | 1 Mbit/s |
| Antenna efficiency | > 60% |
| Operating current | 40mA Max. @ DC 12V |
| Water Proof | IPX9K |

● LED 燈號顯示說明

These LED patterns are displayed under the conditions of defined events.

| Conditions | LED Effect (10 seconds after powering on, the light will turn on) |
|--------------------|---|
| Pairing Mode | The blue and red lights will alternate for 30 seconds. |
| BLE Inquiry (Scan) | Blue (Flashes a blue light once every 60 seconds consistently.) |

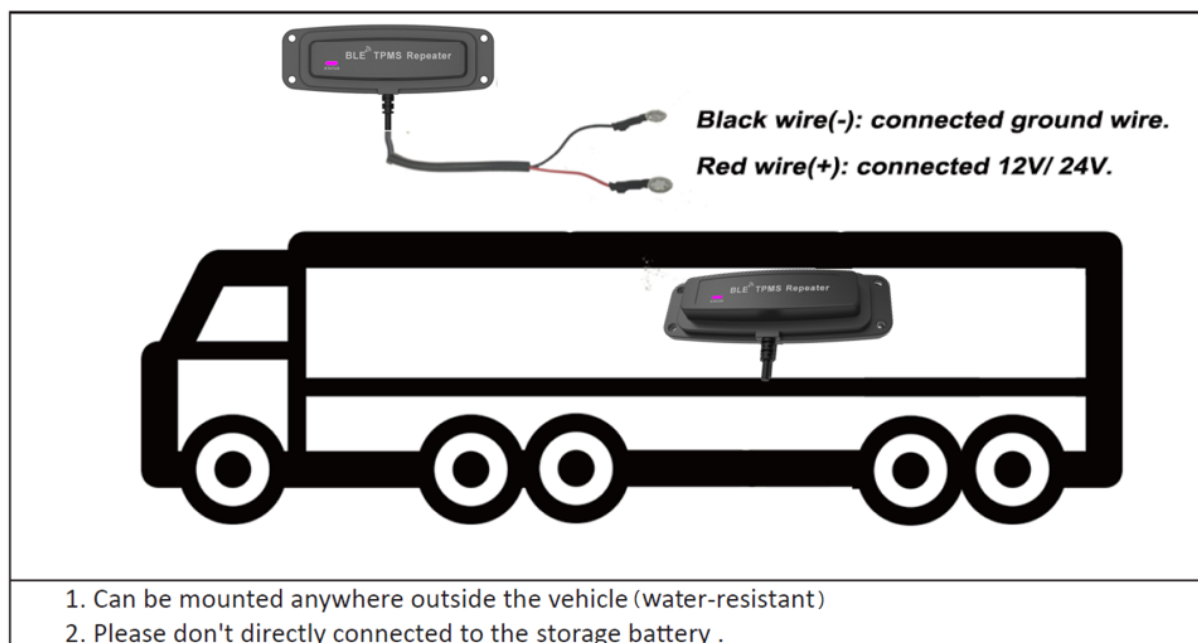
3. 安裝步驟 Installation Steps

3.1 可安裝在車輛外部的任何地方，具有防風雨功能。

Can be mounted anywhere outside the vehicle Weather-resistant.

3.2 請勿直接連接蓄電池

Please don't directly connect to the storage battery.



4. 保固政策 Warranty Policy

感謝您購買此產品並給予我們支持。自購買之日起，對產品提供一年的保固期，透過提供產品品質保證來保護客戶的利益。在保固期內，在正常操作情況下，如產品出現故障，公司願意修理故障產品或更換，使您能夠獲得保證，並體現公司對產品的負責任態度。但產品保固須符合以下條件：

1. 需要向當地經銷商提供瑕疵產品，以確認購買日期和缺陷原因。
2. 產品必須依照使用手冊正確操作。
3. 產品未被您自行拆卸。
4. 產品故障的主要原因是製造問題。

Thank you for buying this product and giving us support. From the date of purchase, we provide a one-year warranty for the product, protecting the client's interest by providing product quality assurance. During the warranty period, under normal operation and in the event of a faulty product, the company is willing to repair the faulty product or have it replaced, enabling you to get the guarantee and demonstrating the company's responsible attitude toward products. But the product warranty must meet the following conditions :

1. Defective products need to be provided to the local dealer to confirm the purchase date and cause of the defect.
2. Products must be operated correctly, as indicated in the user manual.

3. Product has not been disassembled by yourself.
4. The main cause of product failure is due to manufacturing issues.

5. NCC 警語

「取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。」

6. Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

6. Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This equipment complies with RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Cet équipement est conforme aux CNR-102 d'Industrie Canada. Cet équipement doit être installé et utilisé avec une distance minimale de 20 centimètres entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisé ou opérant en conjonction avec une autre antenne ou émetteur. Les antennes utilisées pour cet émetteur doivent être installées et fournir une distance de séparation d'au moins 20 centimètres de toute personne et doit pas être co-située ni fonctionner en conjonction avec une autre antenne ou émetteur.