User Manual

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Contact Us

Wenzhou Chedunwang Electronic Technology Co., Ltd.
Address: No. 503, Huahai Road, Xinhua Industrial Zone, Tangxia Town, Rui'an City, Wenzhou, Zhejiang Province, China
Chinese Website: www.Chedunwang-tpms.com
Service Hotline: 0577-6522-7889

Safety Precautions

For your safety and the safety of others, and to avoid damage to vehicles or equipment, please read this user manual carefully before use. Adhere to safety regulations when operating vehicles.

Safety Warnings:

- Perform vehicle tests in a safe environment.
- Keep the work area clean, orderly, and well-lit.
- Keep clothing, hair, hands, tools, and other inspection equipment away from moving or hot engine parts. Operators should stay away from high-temperature components such as exhaust pipes, radiators, fans, fuel lines, spark plugs, and water tanks, or use effective protection to prevent burns.
- Operate the equipment in a well-ventilated and regulated workspace, avoiding exposure to direct sunlight or rain.
- Do not smoke or engage in spark-producing activities near the equipment. Flammable and explosive items should be kept away from the equipment.
- Do not operate the equipment in environments with flammable gases, such as flammable liquids, gases, or high-dust environments.
- Vehicle exhaust gases contain various toxic and harmful gases (such as carbon monoxide, hydrocarbons, nitrogen oxides, etc.). Ensure good indoor ventilation, wear protective goggles, masks, and protective clothing.
- The workspace should be equipped with fire extinguishers suitable for gasoline, chemicals, and electronic fires.
- Do not use the equipment near corrosive chemicals to avoid damaging the equipment or affecting its quality.
- Do not connect or disconnect diagnostic equipment when the ignition switch is on or the engine is running.
- Do not operate diagnostic equipment while driving to avoid distraction and accidents.
- Ensure the vehicle battery is fully charged, and the connection to the diagnostic seat is clean and secure to avoid damaging the diagnostic equipment or generating incorrect data.
- Do not place the diagnostic equipment on the vehicle's electrical components as strong electromagnetic interference can damage the equipment.
- Keep the equipment dry, clean, and away from oil and water.
- Do not charge for more than 24 hours.
- Keep children or individuals with intellectual disabilities away from the equipment during operation.
- Adhere to electrical safety precautions when using the equipment.

- Maintain body balance and stand in a safe position when operating the equipment.
- Do not wear jewelry while operating the equipment and wear standard protective goggles.
- Do not use this product as a striking tool or throw it around casually.

Symbol Explanation:

ⓘ : Indicates points to pay attention to when operating the equipment.

⚠ : Indicates safety warning information.

⚠ : Indicates potential danger or risk of serious personal injury.

Table of Contents

1 AGREEMENT 4

1.1 BOLD TEXT 4
1.2 NOTICES AND IMPORTANT MESSAGES 4
1.3 HYPERLINKS 4
1.4 ILLUSTRATIONS 4

2 OVERVIEW 5

2.1 PRODUCT DESCRIPTION 5
2.2 DEVICE AND BUTTON DESCRIPTIONS 5
2.3 MAIN FUNCTIONS OF THE APP 6

3 SPECIFICATIONS 7

3.1 SPECIFICATIONS 7
3.2 ACCESSORIES LIST 7
3.3 CHARGING 7

4 USING THE APP 8

4.1 DOWNLOADING THE APP 8
4.2 REGISTRATION 8
4.3 LANGUAGE SWITCHING 9
4.4 APP HOME PAGE 10
4.4.1 BLUETOOTH CONNECTION 11
4.4.2 TIRE PRESSURE MONITORING SYSTEM 12
4.4.2.1 AUTOMATIC CREATION. 12
4.4.2.2.PROGRAMMING 15
4.4.2.3 INFORMATION 19
4.4.3 OE/PART NUMBER. 20
4.4.4 USER MANUAL 21
4.4.5 CONTACT US 21
4.4.6 SYSTEM SETTINGS 21

5 UPGRADES 22

6 COMPLIANCE INFORMATION 22

7 WARRANTY TERMS 23

8 ORDERING SPARE PARTS AND ACCESSORIES 24

9 SERVICE SUPPORT 24

1. Agreement

This manual contains instructions and procedures for using the device. Some illustrations displayed in the manual may include modules and optional equipment not present in your system. You can contact your local sales representative or dealer of Chedunwang Electronic to inquire about and purchase additional optional accessories and modules.

The following agreements apply to this manual.

1.1 Bold Text

Bold text is used to emphasize optional items, such as 【Buttons】 and 【Menu】 options. For example: Click on 【OK】.

1.2 Notices and Important Messages

Note: Notes highlight situations to avoid to prevent damage to the diagnostic equipment or vehicles.

Tip: New batteries reach full capacity after approximately 3 to 5 charge and discharge cycles.

Important: Important indicates situations that, if not avoided, may result in damage to the testing equipment or vehicles.

1.3 Hyperlinks

This electronic manual contains hyperlinks or links to related sections, operating procedures, and illustrations. Blue italicized text indicates selectable hyperlinks, while blue underlined text indicates website links or email addresses.

1.4 Illustrations

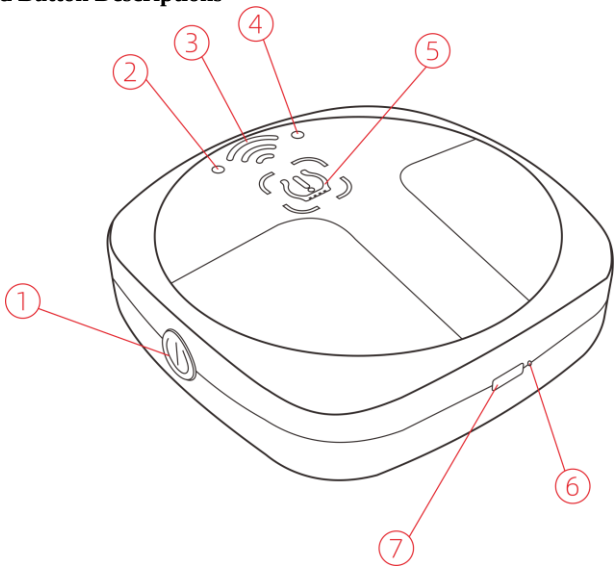
The illustrations used in this manual are samples, and the actual test screen may vary depending on the vehicle being tested. Please follow the menu titles and screen instructions for correct operation.

2 Overview

2.1 Product Description

The BT10 Tire Pressure Programming Tool is meticulously developed by Chedunwang Electronic to meet international leading standards. It is a professional tire pressure maintenance programming tool that can be operated via a smartphone app. The tool offers TPMS matching learning guides, tire pressure sensor activation, and programming functions. It can read various real-time data from tire pressure sensors, activate sensors of different frequencies and brands, including OEM sensors, and provides extensive TPMS matching learning guides for a wide range of vehicle models. Paired with Chedunwang Electronic's universal tire pressure sensors that can be programmed an unlimited number of times, the BT10 assists you in easily capturing the rapidly growing Chinese tire pressure market. It is the preferred choice for various automotive service centers, quick repair and maintenance shops, and tire stores offering tire pressure replacement and maintenance solutions.

2.2 Device and Button Descriptions



Overview of the T100 Professional Tire Pressure Maintenance Programming Tool

1.**Power Button:** Press for approximately 1 second to power on; automatically shuts down after 3 minutes of inactivity.
2.**Bluetooth Indicator Light:** Yellow - waiting to connect to Bluetooth; Green - Bluetooth connection successful.
3. **Programming Activation Indicator Light:** Red flashing - programming activation in progress.
4. **Battery Level Indicator Light:** Green - sufficient battery; Blue - charging; Red - low battery.
5. **Product Placement Area:** Position for programming the product.
6. **Reset Button:** For device reset.
7. **TYPE-C Charging Port:** For device charging.

ⓘ The images, illustrations, product features and functions, and accessories in this user manual may differ from the actual product and are for reference only. Product design and specifications are subject to change without prior notice.

2.3 Main Functions of the App

1. Tire Pressure Monitoring System:

(1) Activation: Retrieve and display sensor data such as ID, pressure, temperature, and battery level.

(2) Programming: Supports manual input, automatic creation, and clone activation for programming.

(3) Information: Learning methods of sensors and OEM part number information.

2. OE/Part Number: Supports programming by searching for vehicle models using OE and part numbers.

3. VIN Code: Search for vehicle models using VIN codes.

4. Bluetooth Connection: Connect the smartphone to the device via Bluetooth.

5. Contact Us: Contact information for customer service is provided.

6. User Manual: Learn about product usage and watch learning videos for various vehicle models.

7. System Settings: Check for updates, account logout, and other functions.

3 Specifications

3.1 Specifications

Specifications	Details
Product Model	BT10
Battery Capacity	3.7V, 750mAh Lithium Polymer Battery
Programming Method	Bluetooth Wireless Programming, Supports 3 Programming Modes
Receiving Frequency	315MHz/433MHz
Bluetooth Version	5.2
Learning Assistance	Available
Upgrade Method	Automatic Update via Smartphone
Operating Temperature	-20℃ to 60℃ (-4℉ to 140℉)
Maximum Output Power	+6dBm
Transmission Distance	20M (Unobstructed)
Storage Temperature	-20℃ to 70℃ (-4℉ to 158℉)
Gross Weight	101.4g
Dimensions	100X100X35mm (LxWxH)
Blister Box Dimensions	188X185X47mm (LxWxH)

3.2 Accessories List

Specifications	Quantity	Description
BT10 Main Unit	1	Operating Host
USB Data Cable	1	Charging
User Manual	1	Product Guide, Instruction for Use
Certificate of Compliance	1	Factory Inspection Mark
Warranty Card	1	After-Sales Warranty
Blister Box	1	Carrying Case, Convenient for Travel and Storage

3.3 Charging

The BT10 is equipped with a built-in 3.7V 750mAh lithium polymer battery. Charging can be done using a 5V, 1A current.

⚠Note: Only use the charging equipment provided by Chedunwang Electronic for charging. Using unauthorized power sources may result in device damage, rendering it inoperable, which is not covered under warranty.

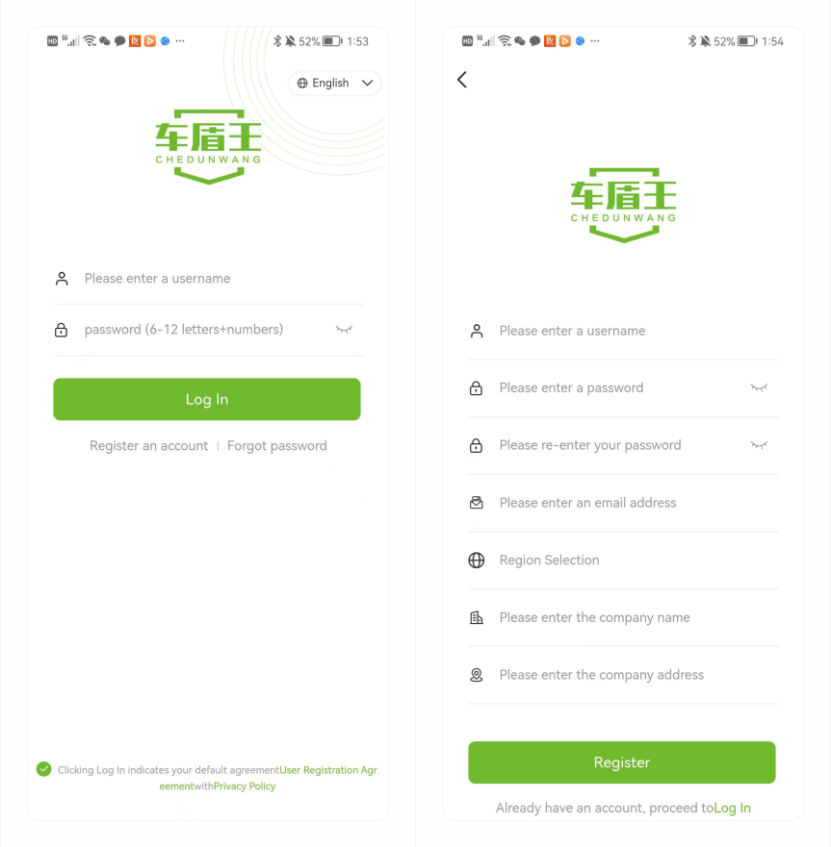
4 Using the App

4.1 Downloading the App

Download the "Chedunwang Tire Pressure Service" app from AppGallery, Huawei App Market, Google Play, or the App Store.

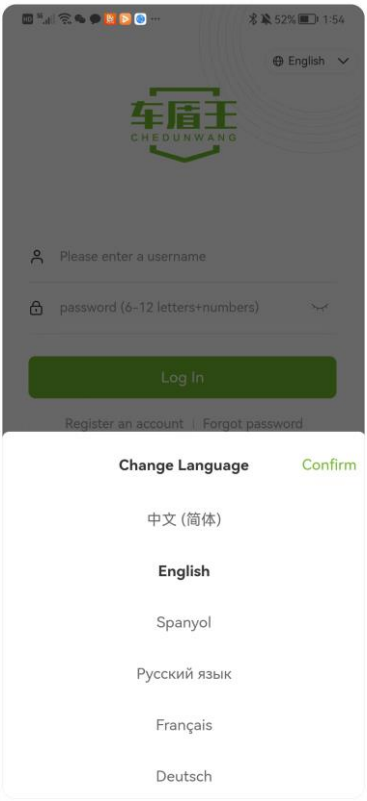
4.2 Registration

To fully utilize this program, registration is required. Navigate to the login page, choose either 'Verification Code Login' or 'Username and Password Login', enter your login details, and tick the "User Registration Agreement" checkbox. Then, log into the "Chedunwang Tire Pressure Service" app. On the following page, input your username, password, and confirm the password. Click 'Register Now' to successfully complete the registration. See the detailed instructions on the next page.



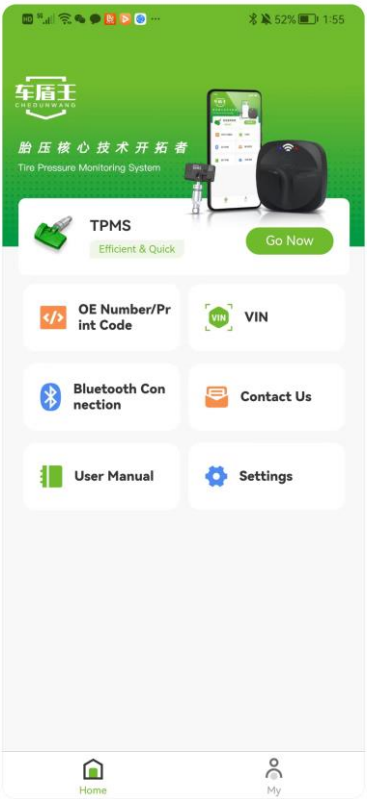
4.3 Language Switching

Click on the upper right corner and select the language you wish to use. See the illustration below:



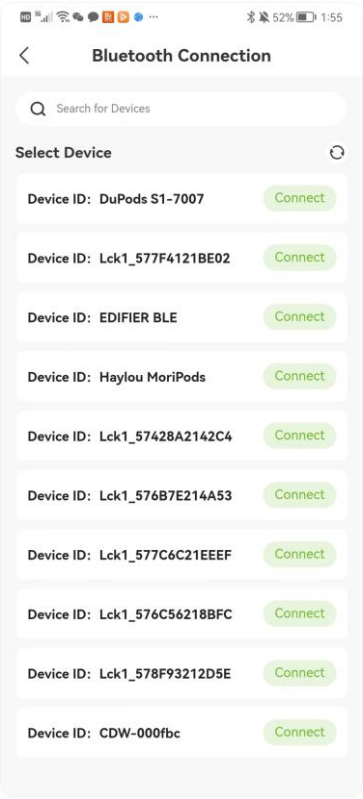
4.4 App Home Page

Upon successful authentication, you will enter the homepage of the "Chedunwang Tire Pressure Service" app, where you can perform operations such as programming learning and watching live video courses. See the illustration below.



4.4.1 Bluetooth Connection

Firstly, power on the tire pressure Bluetooth programming and diagnostic tool using the switch on the left side. The device's top left light will turn yellow (waiting for connection). Remember the Bluetooth name indicated on the back of the device. Next, tap on the Bluetooth connection on the app to enter the Bluetooth connection interface, and select the corresponding Bluetooth to connect. See the illustration below.

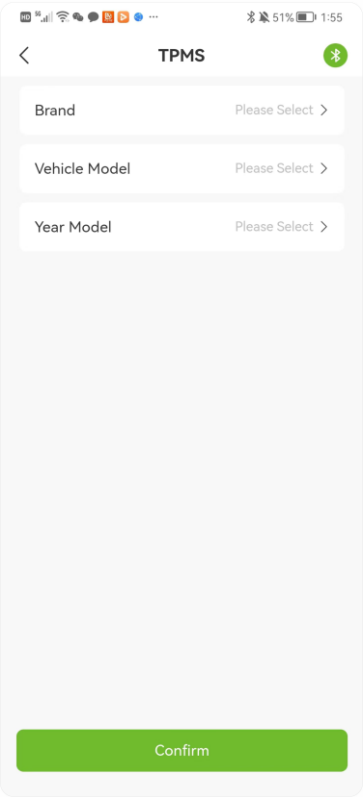


4.4.2 Tire Pressure Monitoring System

In this module, users can select the corresponding vehicle based on different vehicle information for programming. There are three main programming learning methods available: Auto Create, Manual Create, and Clone Activation.

4.4.2.1 Automatic Creation

1. From the homepage, enter the tire pressure monitoring system page and select your desired brand, model, year, and region. See the illustration below.



2. There are three operational interfaces on the operation screen: Activation, Programming, and Information. See the illustration.

3. Activation Interface: Place the sensor you wish to trigger onto the device, then click on Activation to obtain the sensor ID. The tire icon on the interface will also display the corresponding tire ID. See the illustration.

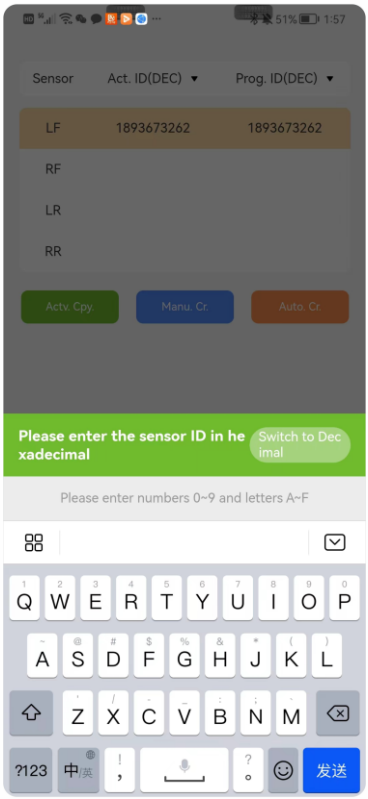
Note:
Units used in programming:
ID Unit: ID (HEX) represents hexadecimal, ID (DEC) represents decimal.
Tire Pressure Unit: KPA, BAR, PSI.
Temperature Unit: °C, Celsius, °F, Fahrenheit.

4.4.2.2.Programming

Programming Learning Method 1: Create New ID
"Auto Create": Click on Auto Create to directly write the ID into the sensor. Place the sensor on the corresponding position of the tire pressure Bluetooth programming and diagnostic tool. See the illustration below.

Programming Learning Method 2: "Manual Create"

Click on Manual Create to manually input the decimal or hexadecimal ID (toggle at the upper right corner) and write it into the sensor. See the illustration below.

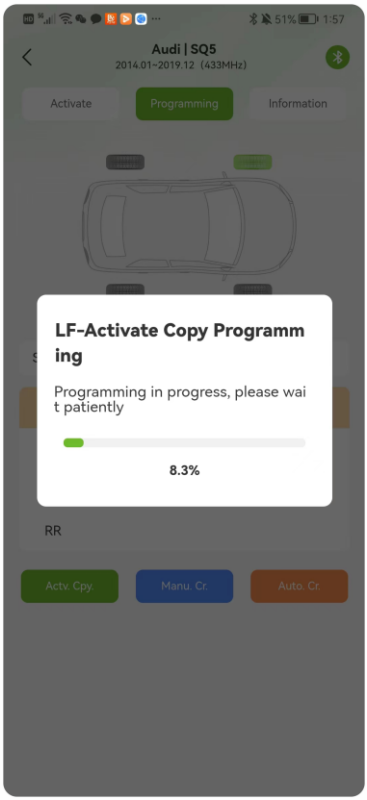


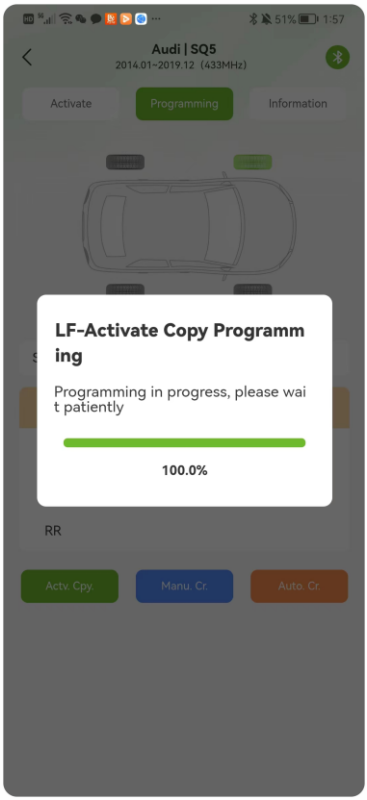
Programming Learning Method 3: "Clone Activation"

Click on the Activation page, place the original sensor onto the device, click on Activation to obtain the sensor ID. Then, place our company's sensor onto the device, select Clone Activation on the programming interface to copy the previous sensor's ID to our company's sensor. See the illustration below.

51% 1:55
Audi | SQ5
2014.01~2019.12 (433MHz)
Activate
Programming
Information
Sensor
ID(DEC)
P(Kpa)
T(°C)
Batt.
LF
RF
LR
RR
Activate

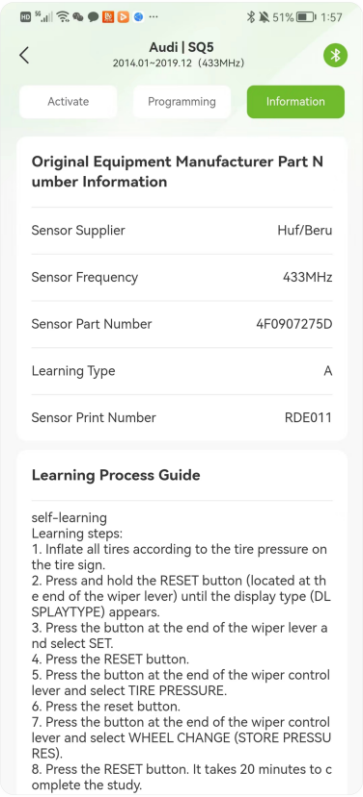
51% 1:56
Audi | SQ5
2014.01~2019.12 (433MHz)
Activate
Programming
Information
Sensor
ID(DEC)
P(Kpa)
T(°C)
Batt.
LF 1893673262 2 26 Normal
RF
LR
RR
Activate





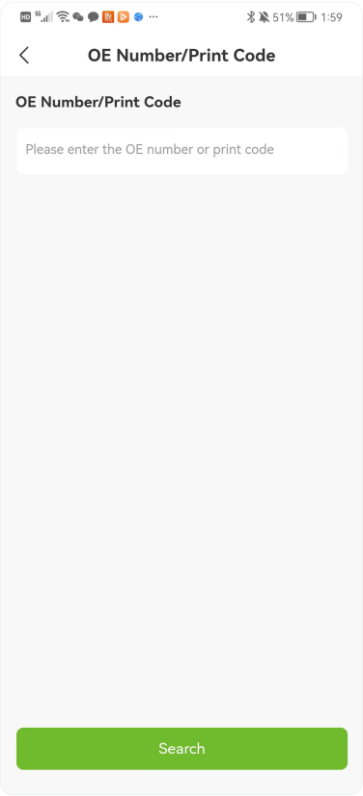
4.4.2.3 Information

The information page displays the sensor learning method and the original part number information.



4.4.3 OE/Part Number.

Based on the sensor OE number, select the corresponding vehicle. After inputting the OE number, you can search for all models that match the OE number. Users can quickly click to enter the vehicle programming page for programming. See the illustration below.



4.4.4 User Manual

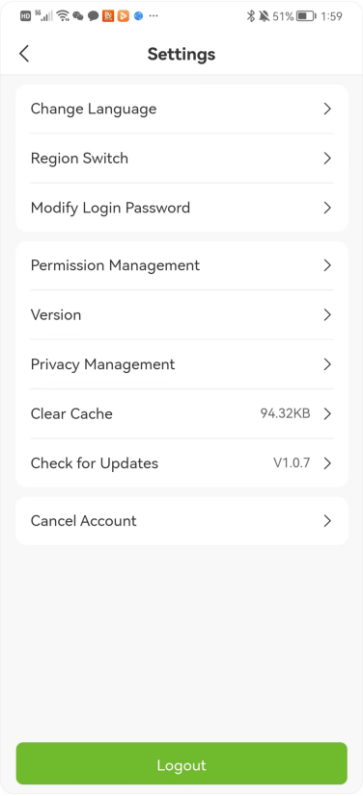
Here you can find operation videos and various learning videos provided by our company for learning purposes.

4.4.5 Contact Us

Inside, you'll find our company's customer service contact details for any inquiries or issues you may encounter.

4.4.6 System Settings

In the system settings, you can find version updates, language switching, password reset, account logout, and other functions.



5 Upgrades

The upgrade feature allows for firmware, operating system, and software updates for the device. This feature automatically updates when your phone is connected to the internet.

6 Compliance Information

This device complies with international standards such as CE and FCC.

When using this device, it may generate radio frequency energy. Failure to use it according to the user manual may cause interference with radio communications. If this device causes or is suspected to cause harmful interference to radio or television reception, you should turn off the device to

avoid such interference. We recommend that you and other users try the following measures to correct interference:

(1) Adjust the direction and angle of the receiving antenna.
(2) Maintain a sufficient distance between this device and the receiver.
(3) Ensure this device and the receiver are on different circuit boards.
(4) Seek assistance from experienced radio or television technicians.

7 Warranty Terms

This warranty applies only to users and distributors who purchase Chedunwang Electronic products through official channels.

Within one year from the date of purchase, under normal use confirmed by Wenzhou Chedunwang Electronic Technology Co., Ltd. (our company), and when the product fails under the conditions specified in the user manual, you can enjoy free repair services. Our company shall not be liable for any direct or indirect damages arising from the use or inability to use Chedunwang Electronic products, including business interruptions, loss of data, or other financial losses.

The following conditions will void the free warranty service, and our company may charge appropriate repair fees:

- Products beyond the promised warranty period.
- Inability to provide the Product Warranty Card, invoice, or other supporting documents.
- Unauthorized disassembly, repair, or alteration of the product by Chedunwang Electronic. Broken seals will be considered unauthorized disassembly.
- Mismatch between the product's main unit serial number and the warranty card; removal, alteration, or damage to the main unit serial number or purchase date.
- Malfunction or damage due to improper operation, non-quality issues with Chedunwang Electronic products, including impacts, drops, hits, pushes, pulls, falls, crushing, or improper adapter connections.
- Component damage due to improper handling, storage, maintenance, or use, including pressure damage, corrosion, erosion, rust, premature aging, damage, short-circuiting, or burning of the main unit.
- Damage factors caused by human control.

- Natural wear and tear of the product or malfunctions due to uncontrollable events such as earthquakes or lightning strikes.
- Malfunctions or damages caused by computer viruses affecting the device.
- If within the warranty period, our after-sales service department at Chedunwang Electronic has not been notified about the product malfunction.
- Failure to provide the warranty card or other proof of warranty.

Note: During the warranty or repair process, all information on the device may be deleted. Please backup all data before sending the device for repair or warranty service.

8 Ordering Spare Parts and Accessories

This device can only be used to program Chedunwang Electronic-produced sensors an unlimited number of times. Programmed sensors can replace original sensors. To order Chedunwang Electronic sensors, as well as replaceable parts and optional accessories for the device, please contact Chedunwang Electronic or authorized distributors directly.

When ordering, please specify the quantity, part number, part name, and contact information.

9 Service Support

If you encounter any issues during device operation, please contact our local distributor or customer service department:
Visit our website: www.Chedunwang-tpms.com
Unified Customer Service and Technical Support Hotline: 0577-6522 7889

If the device needs repair, please contact your local authorized distributor or repair center. You can also contact Chedunwang Electronic's customer service department and prepare the Certificate of Compliance, warranty card, purchase invoice, and a description of the issue.

Wenzhou Chedunwang Electronic Technology Co., Ltd.
Address: No.503, Huahai Road, Xinhua Industrial Zone, Tangxia Town, Rui'an City, Wenzhou, Zhejiang Province, China
Website: www.Chedunwang-tpms.com

Service Hotline: 0577-6522-7889

FCC Caution.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 or more 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 Radiation Exposure Statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.