Model **U901T**

Instruction Manual

Wireless tire pressure and temperature monitoring system

CONTENTS

❶ ⎡△⎤ Selection button
❷ ⎡SET⎤ Setting button、
Confirm button
❸ ⎡▽⎤ Selection button、
Power button

❷ Sensor and receiver are connected by wireless with long distance. With a number of anti-jamming functions, the receiver also can effectively receive the data if the car is too long.
❸ In driving, due to air expansion and contraction, it is normal that the tire pressure will fluctuate.
❹ Usually the tire has normal air leakage, with no direct relation to the installation of this product.

1. CAUTIONS

1.1 Safety cautions

Before installing this product, please read cautions bellow :

❶ The monitor should be installed inside the vehicle where it does not affect normal driving.

❷ The monitor should be well fixed to avoid falling off during driving.

❸ After the sensor installation, make sure to check if there is any air leakage. If necessary, smear tire valve with soapy water, check whether there is air leakage.

❹ Be careful tire blowout by high pressure and fuel consumption by low pressure.

❺ This product can effective monitor the pressure and temperature in real time, but can not prevent traffic accidents, so it is also important to products.

❻ Pay attention to the traffic when check the tire pressure and Temperature in the driving.

1.2 Installation Cautions

❶ Without any vibration in 25 minutes the monitor goes into the sleeping mode,and restart automatically with slight vibration.

2. U901T COMPONENTS

2.1 U901T Components

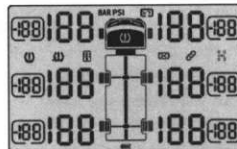Monitor   Lithium Battery   Bracket   Back splint   Cable

*Sensor 4pcs (internal/external senor depend on customer request)

2.2 Monitor Icons Description

U901T LCD Display

Icons	Description
☝	High pressure alarming prompt.
☟	Low pressure alarming prompt.
🌡	High temperature alarming prompt.
✉	Sensor with low battery alarming prompt.
⊘	Match with sensor function.
⇄	Tire exchange setting.
☲	Air leakage according tire icon flashing.

3.1 Main Function

This product is mainly used to monitor the pressure and temperature of tires automatically during the driving, and provide advanced alert for dangerous status, such as quick air leakage, low / high pressure, and high temperature, ensure safety driving.

The wireless tire pressure monitoring system is the only effective way to monitor the tire pressure at any time now, there are following features :

❶ **Ensure safety driving**
❷ **Save fuel**
❸ **Prolong lifetime of tires**
❹ **Real-time monitoring tire pressure**

3.2 Product Features

❶ **Graphic user interface**

From the GUI of pressure and temperature, the driver can very easy to know the conditions of the tires.

❷ **High accuracy**

Use electronic pressure detection, the accuracy of tire pressure can be ±1PSI.

❸ **Abnormal status Alert**

During driving, if the tire pressure id lower or higher than the setting value, or quick air leakage, the monitor will receive the alert immediately.

❹ **Lightweight design of sensor**

Special design, the sensor will not affect the appearance of tire.

4.1 Monitor Features

▶ Graphic display interface.
▶ Simultaneous display and simultaneous measurement of pressure and temperature.
▶ Sound and display two alarm tips.
▶ Alarming range could be setting.
▶ Support tire exchange function, easy to operate.
▶ Many way to be placed and installed.
▶ 6　　 data could show on the same screen.
▶ 2 option of pressure unit (PSI,BAR) .
▶ With automatically power on or off function.
▶ With two ways power supply,Vehicle power or lithium battery supply.
▶ With one hour enough fast charging function.
▶ Wide angle screen design.

4.2 Installation Instruction

❶ **Use the bracket fix on the front glass,Angle could be adjusted according to you need.**
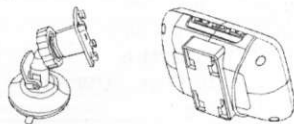
❷ **Also the monitor could be fixed on the dash board with the double-side tape or non-slip mat.**
❸ **Then use the cigarette plug charge the monitor over 3 hours to prolong the battery lifetime for the first time use.**
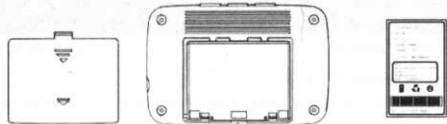
Note :

❶ The monitor position should not be effected the driver sight.

❷ The monitor should be fixed installed avoid being drop out during driving.

❸ Please note your safety when you check the pressure and temperature on the monitor during driving.

❹ The monitor could automatically monitoring the tire pressure and temperature, driver no need to pay attention, avoid dividing attention.

Monitor specification	
Input voltage	DC 8V ~ 16V
Storage temperature	-30℃ ~ 85℃
Working temperature	-20℃ ~ 80℃
Frequency	433.92MHz
Size	86*57*26 (L*W*H)
Weight	61g

4.3 Automatically Power On / Manual Power On

When the car stop exceed 25 minute and without power cable charged, the monitor will automatically enter into sleep mode, the monitor will be closed and not received any data from the sensor, but it will active when car is moving.

User could close / open the monitor when need long time to stop the car. Hold the key △ 6s to open the monitor when then monitor is power off. Also could hold the key ▽ to monitor when monitor is power on, and the monitor will be automatically closed when battery is low.

5. FACTORY DEFAULT SETTINGS AND CHANGE

5.1 Parameter Setting

❶ **Factory Default**

Pressure Unit	BAR
High Pressure	12.0BAR(175PSI)
Low Pressure	6.9BAR(100PSI)
Temperature Unit	℃
High Temperature	65℃

The relations between pressure unit PSI、kg/cm², kPas and BAR

1BAR=14.503PSI   1BAR=1.0197 kg/cm²   1BAR=100kPa

5.2 Installation Instruction

❶ Press SET and hold 3s to enter into U901T system parameter setting mode, the system has five setting mode.

1.Pressure unit setting	4.Tire match setting
2.High&Low pressure setting	5.Tire exchange setting
3.High temperature setting	

Note :

U901T maximum support ten wheel for truck. If you only use six wheel, the six outside tire icon show the tire data. But if you use ten wheel, it will show six outside tire data first, then show four inside tire data 5s later. These two interfaces switch per 5s. But if there is one tire data abnormal, it will automatically pop up the abnormal tire view on the screen.

Setting sequence :

❶ Pressure unit setting

Hold **SET** 3s to enter into parameter setting mode. Press △ or ▽ to select **the pressure unit setting** (Figure 5-1-1).

Then press **SET** to change the pressure unit setting. Press △ or ▽ to select the pressure unit.

After that, press **SET** to save and exit setting.
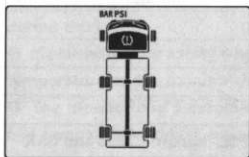
Finally, hold **SET** 3s to exit to standby mode.

1 Enter into parameter setting mode
2 press **SET** to change setting
3 Press △ or ▽ to select unit
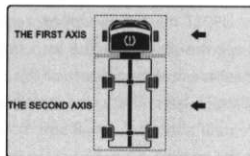4 hold **SET** to save and exit

Figure 5-1-1

❷ High / Low pressure setting

Enter into parameter setting mode. Press △ or ▽ to select to figure 5-2-1. Then press **SET** enter into **the first axis high pressure setting**. Press △ or ▽ to select the high pressure limit alarm value.

Secondly, press **SET** to save and enter into **the first axis low pressure setting** (Figure 5-2-2). Press △ or ▽ to select the low pressure limit alarm value.

Thirdly, press **SET** to save and enter into **the second axis high pressure setting** (Figure 5-2-3). Press △ or ▽ to select the high pressure limit alarm value.

Fourthly, press **SET** to save

and enter into **the second axis low pressure setting** (Figure 5-2-4). Press △ or ▽ to select the low pressure limit alarm value.

After that, press **SET** to save and exit setting.
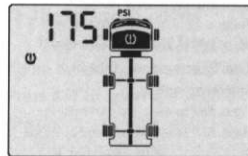
Finally, hold **SET** 3s to exit to standby mode.
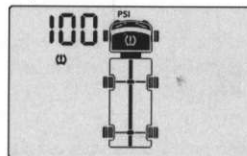

| Figure 5-2-1 | Figure 5-2-2 |

1 Enter into parameter setting mode
2 Press △ or ▽ to select to figure 5-2-1
3 Press **SET** to enter into the first axis high pressure setting
4 Press △ or ▽ to select the first axis high pressure setting
5 Press **SET** to save and enter into the first axis low pressure setting
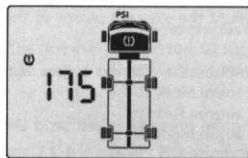6 Press △ or ▽ to select the first axis low pressure setting
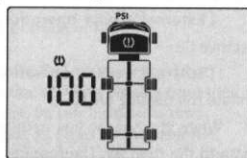

| Figure 5-2-3 | Figure 5-2-4 |

7 Press **SET** to enter into the second axis high pressure setting
8 Press △ or ▽ to select the second axis high pressure setting
9 Press **SET** to save and enter into the second axis low pressure setting
10 Press △ or ▽ to select the first second low pressure setting
11 Press **SET** to save and exit setting   12 Hold **SET** 3s to exit to standby mode

❸ High temperature setting

Hold **SET** 3s to enter into parameter mode. Press △ or ▽ to select to figure 5-3-1. Then press **SET** enter into **the high temperature**

setting. Press △ or ▽ to select the high temperature limit alarm value. After that, press SET to save and exit setting. Finally, hold **SET** 3s to exit to standby mode.
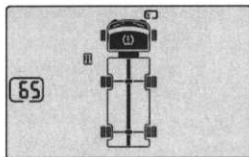

1 Enter into parameter mode
2 Press △ or ▽ to select to Figure 5-3-1
3 Press **SET** to enter into setting
4 Press △ or ▽ to select the high temperature setting
5 Press **SET** to save and exit setting
6 Hold **SET** 3s to exit to standby mode

Figure 5-3-1

❹ Tire match setting

Hold **SET** 3s enter into parameter mode. Press △ or ▽ to select to figure 5-4-1. Then press △ or ▽ to select the tire location.

【**External sensor operation**】 Mount the external sensor to the relative tire.

【**Internal sensor operation**】 Mount the internal sensor and inflate the relative tire.

When the sensor has detected the tire pressure, it will send the data to the monitor. The monitor will indicate ON (Figure 5-4-2), and the tire is matched. After matching all the tires, press **SET** to save and exit setting. Finally, hold **SET** 3s to exit to standby mode.
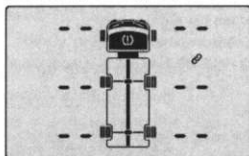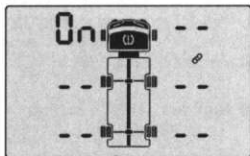

Figure 5-4-1

Figure 5-4-2

1 Enter into parameter mode
3 Press △ or ▽ to select the desired tire
2 Press △ or ▽ to select to figure 5-4-1
4 That the monitor indicate ON means tire matching successfully
5 Press **SET** to save and exit setting
6 Hold **SET** 3s to exit to standby mode

❺ Tire exchange setting

Hold **SET** 3s enter into parameter mode. Press △ or ▽ to select to figure 5-5-1. Then press **SET** to enter into *the tire exchange setting*. Press **SET** to select the desired tire and press △ or ▽ to change the tire position (Figure 5-5-2) .

For example, when the first axis left tire and the same axis right tire need to be exchanged, select *01* and change it to *02*. Then press **SET**. If the value *02*, the first axis right tire, automatically update as the other desired tire value, *01*, the first axis left tire, it means successful.

After that, press **SET** to save and exit setting. Finally, hold **SET** 3s to exit to standby mode.

Figures represent the position of tire :
The first axis : 01 Left tire, 02 Right tire ;
The second axis : 03 Left outside front tire, 04 Left inside front tire;
05 Right inside front tire, 06 Right outside front tire;
07 Left outside rear tire, 08 Left inside rear tire;
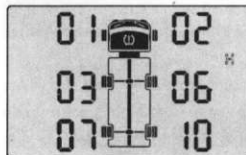**09 Right inside rear tire, 10 Right outside rear tire;**

Figure 5-5-1
1 Enter into parameter mode
3 Press **SET** to enter into setting
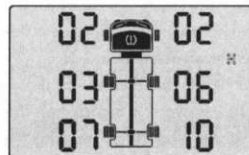5 Press △ or ▽ to change the tire position

Figure 5-5-2
2 Press △ or ▽ to select to figure 5-5-1
4 Press **SET** to select the desired tire
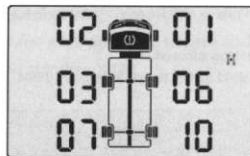
Figure 5-5-3

6 Press **SET** to check whether the other desired tire value update successfully
7 Press **SET** to save and exit setting
8 Hold **SET** 3s to exit to standby mode

6. ALERT STATUS

❶ **When tire pressure and temperature are out of the preset values, the relative icon will show on the LCD. The icon and value will flash with the audible alarm together. Press any button to turn off the alarm, but the icon is still flashing until the problem is resolved.**

The factory preset values are follow :

The high pressure preset values : 175PSI
The low pressure preset values : 100PSI
The high temperature preset values : 65°C

❶ High pressure alert

For example, when the pressure of the second axis left outside front tire reach 176 PSI which is higher than the preset value, the high pressure icon and the value is flashing with the audible alarm together. As shown in Figure 6-1-1.

When the pressure of the second axis left inside front tire reach 176 PSI which is higher than the preset value, the high pressure icon and the value is flashing with the audible alarm together. As shown in Figure 6-1-2.

Press any button to turn off the alarm, but the icon is still flashing until the problem is resolved.
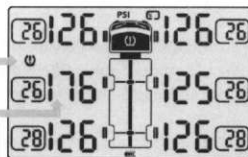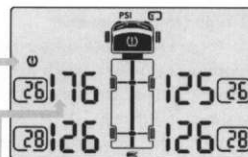

Figure 6-1-1

The value flash
The icon flash

Figure 6-1-2

The value flash
The icon flash

❷ Low pressure alert

For example, when the pressure of the second axis left outside front tire reach 99 PSI which is lower than the preset value, the low pressure icon and the value is flashing with the audible alarm together. As shown in Figure 6-2-1.

When the pressure of the second axis left inside front tire reach 99 PSI which is lower than the preset value, the low pressure icon and the value is flashing with the audible alarm together. As shown in Figure 6-2-2.

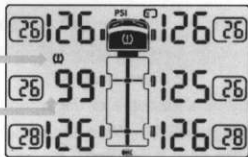Press any button to turn off the alarm, but the icon is still flashing until the problem is resolved.

Figure 6-2-1

The value flash
The icon flash

Figure 6-2-2

The value flash
The icon flash

11

12

❸ High temperature alert

For example, when the temperature of the second axis left outside front tire reach 66°C which is higher than the preset value, the high pressure icon and the value is flashing with the audible alarm together. As shown in Figure 6-3-1.

When the temperature of the second axis left inside front tire reach 66°C which is higher than the preset value, the high pressure icon and the value is flashing with the audible alarm together. As shown in Figure 6-3-2.

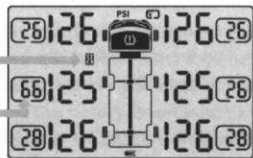Press any button to turn off the alarm, but the icon is still flashing until the problem is resolved.

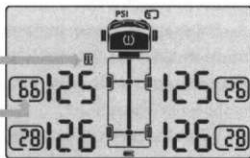

Figure 6-3-1
The value flash
The icon flash

Figure 6-3-2
The value flash
The icon flash

❹ Quick air leakage

When the sensor detects air leakage of tire, it will send an alert to the monitor immediately. The quick leakage icon and value will flash with the audible alarm together.

For example, when the sensor detects air leakage of the second axis left front outside tire, it shows as Figure 6-4-1. When the sensor detects air leakage of the second axis left front inside tire, it shows as Figure 6-4-2.

Press any button to turn off the alarm, but the icon is still flashing until the problem is resolved.
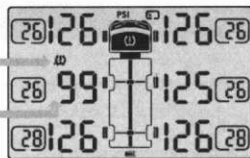

Figure 6-4-1
The value flash
The icon flash

Figure 6-4-2
The value flash
The icon flash

❺ Sensor low battery alert

When the sensor detects itself low battery level, it will send an alert to the monitor immediately. The sensor low battery icon will show on the LCD and the corresponding tire icon will flash with audible alarm together. As shown on Figure 6-5-1 and Figure 6-5-2.

Press any button to turn off the alarm, but the icon is still flashing until the problem is resolved.
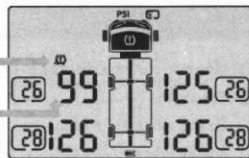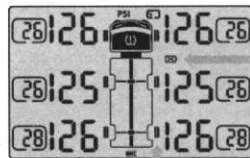

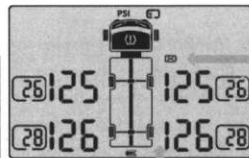
Figure 6-5-1
The value flash
The icon flash

Figure 6-5-2
The value flash
The icon flash

13

14

❶ Monitor can not display properly

Ⓐ Ensure the monitor is turned on.

Ⓑ Ensure whether the battery is installed.

Ⓒ Ensure whether the battery polarity of the monitor is wrong.

Ⓓ Check whether the battery is low power. Battery may be have no electricity after being used for a long time. It is recommended to check whether the monitor has a display after the power cord is connected.

Ⓔ If use the car power supply, please ensure it is connected properly.

Ⓕ Check whether the monitor come into sleep mode. This mode will start automatically while the vehicle is stopped. At the time the power of the monitor is consumed minimally. The monitor can be awakened and restore normal state when the vehicle traveling again , or the monitor is shaken, or press a button on the monitor.

Ⓖ If the above treatment methods are unable solve the problem, please contact the local dealer.

❷ Monitor don not display tire status sporadically

Ⓐ Check whether the sensor is closed to the car. Because the data transmission between the sensor and the monitor is in a wireless way. This way is limited to the distance.

Ⓑ Check whether the sensor installed the CR1632 lithium battery.

Ⓒ Check whether the sensor installation is right.

Ⓓ Check whether the sensor has no electricity. Battery may be have no electricity after being used for a long time. It is recommended to replace a new one.

Ⓔ When you need to replace battery, please take off the battery and wait 10s, then install it.

Ⓕ Check whether the sensor is not confused. Because each sensor has a unique ID number, the monitor could only recognize the same set sensor.

Ⓖ If the above treatment methods are unable solve the problem, please contact the local dealer.

❸ When the monitor show the low battery power icon and still be used,it will lead to abnormal phenomenon. If you recharge it, it will be restore normal.

❹ Monitor screen display wrong color

Check whether the temperature is too high in vehicle (above 70℃), when the temperature return to normal lever, it will display properly.

❺ Monitor screen update slow down

Check whether the temperature is too low in vehicle (lower than -20℃) , when the temperature return to normal lever, it will display properly.

❻ The monitor don not display tire data after rebooting

When the sensor detect tire pressure with more than 1 PSI, the sensor will transmit the data to the monitor, the monitor will display the data when the vehicle is running.