

T P M S

Tire **P**ressure **M**onitoring **S**ystem

KHC-20

ENGLISH

User Guide

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TPMS Sensor

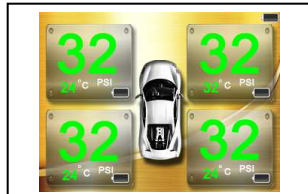
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Specification

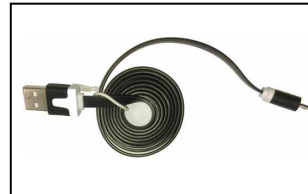
Specification	9
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TPMS Reader

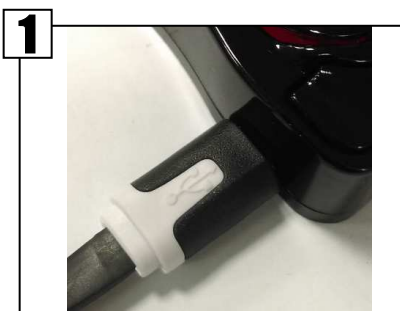
Reader Setup



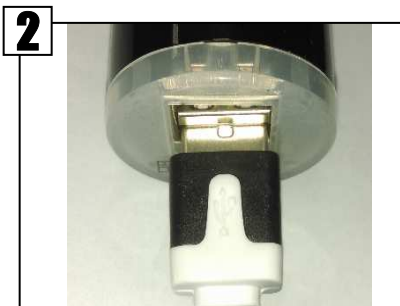
TPMS Reader



USB Cable



Plug USB Cigarette Lighter to Cigarette Lighter slot



Connect USB Cable to USB Cigarette Lighter

Power ON Self Test

1

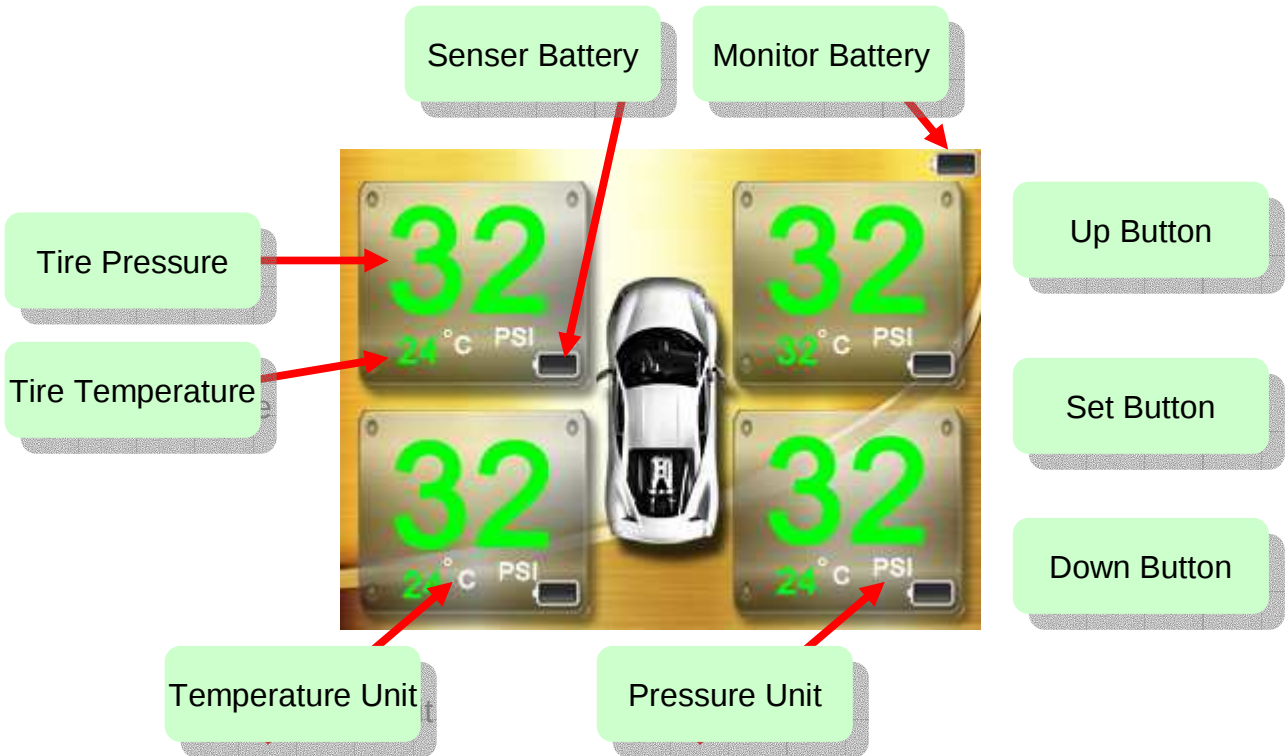
Press 'Up' Button will turn ON the Power

2

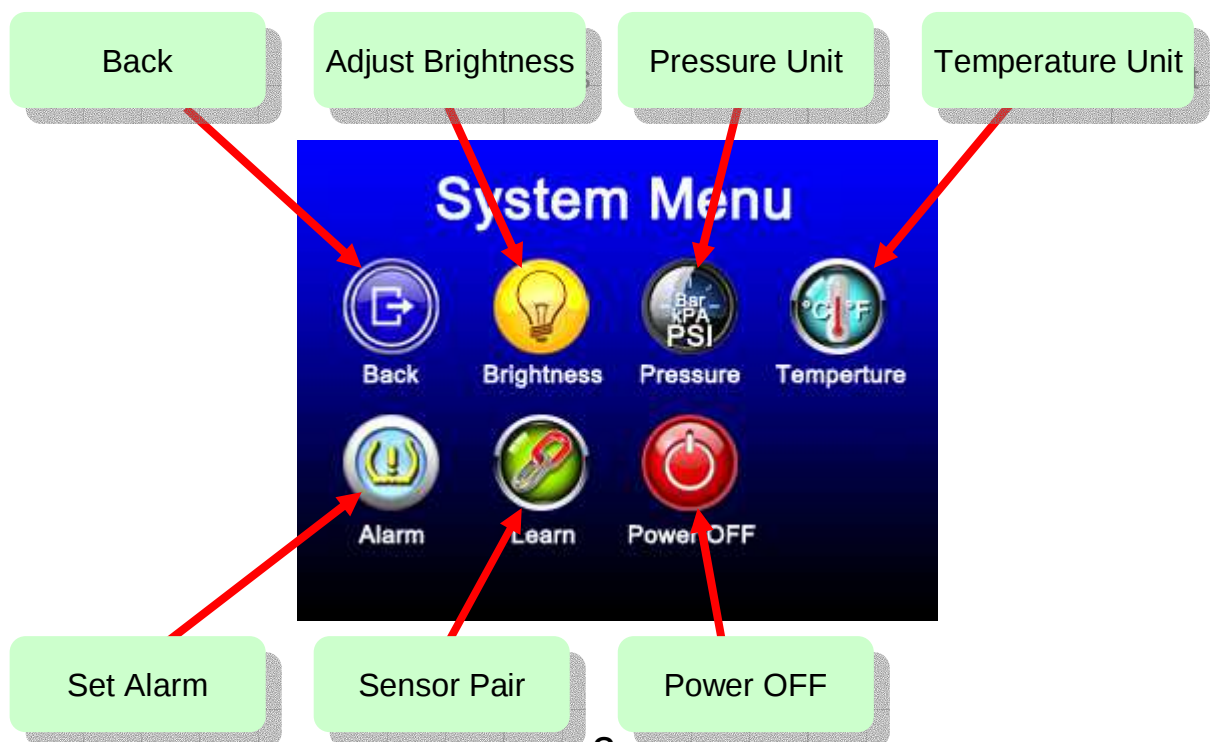
After power ON, a self test procedure will start and raise Bi-Beep sound while complete.

User Interface

Monitor Display



Menu Display



Basic Operate

Tire Pressure, Tire temperature Monitor

1

Reader receives sensor data, the display will show the value of tire information

2

If no operating for a long time, display will switch off until any abnormal alarm



3

During the event of detecting an abnormal situation, the screen will display the alarm symbol, and audible, then press any key to stop the sound. Alarm types refer to a "warning"

Enter / Leave Menu

1

Press 'Set' Button will enter the Menu

2

Select 'Back' icon could come back to monitor display



Basic Operate

Set Pressure Unit

1 Select Pressure-Set Pressure Unit

2 Select the unit



Set Temperature Unit

1 Select Temperature-Set Temperature Unit

2 Select the unit



Basic Operate

Adjust Brightness

1

Select Bright – Adjust Brightness

2

Use 'Up' or 'Down' button to adjust brightness



Power OFF

1

Select Power – Power OFF

2

System will turn off now

3

Press 'Up' button could turn on the monitor again



Advanced Operate

Set Standard Alarm

1 At normal state, make sure all 4-tire information was received, and tire pressure is at stander value

2 Enter Menu, and select Alarm-Standard Alarm Range to set alarm

3 Abnormality occurs in the future, the warning sound, symbol occurred

* Abnormality is defined as tire pressure range $\pm$ 20% of standard pressure and tire temperature above 80°C

4 Press and key will make alarm sound stop, but alarm symbol will keep warning until system normal



Sensor Pair

1 Select Learn-Bind TPMS Sensor

2 Select tire FL 、FR 、RL or RR. Pair Process will start while hearing bi-beep sound

3 Display will show the tire pair message

4 Take sensor to reader or vice versa, pair will complete while hear bi-beep sound



Alarm

Alarm Description



 Pressure abnormal	Tire Pressure is too high or too low
 Temperature abnormal	Tire Temperature too high
 Signal abnormal	Sensor signal abnormal, may caused by low battery
 Sensor Battery Low	Sensor battery too low
 Reader Battery Low	Reader battery too low
 Vibration	Read detect vibration, smart phone receive a notification if blue-tooth is connected

TPMS Sensor

Sensor Assemble



Remove original valve
Replace with new valve



Adjust valve position, use
wrench to fix the valve



Tighten the nut, make sue
torque value must be
 $44 \pm 0.5 \text{ Nm}$



Assemble completed

Specification

Specification

Reader	
Input voltage	DC 5V, 500mA
Storage Temperature	-40°C~85°C
Operate Temperature	-30°C~70°C
Sensor	
Battery life time	5 years under normal usage
Storage Temperature	-40°C~125°C
Operate Temperature	-30°C~105°C
Operate frequency	433.92MHz
Pressure Range	0~900Kpa
Pressure tolerance	±1.5PSI
Temperature Range	0~100°C
Temperature tolerance	±4°C
Power output	Maximum 8 dBm
Battery voltage	3V
Weight	40G

THANK YOU!!!

TPMS