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› Skyshop C240 Prime Solar TPMS Car Tyre Pressure Monitoring System User Manual

## SKYSHOP C240 Prime External

# Skyshop C240 Prime Solar TPMS Car Tyre Pressure Monitoring System User Manual

Model: C240 Prime External

## 1. INTRODUCTION

The Skyshop C240 Prime Solar TPMS (Tyre Pressure Monitoring System) is designed to provide real-time monitoring of your vehicle's tire pressure and temperature. This system enhances driving safety by alerting you to abnormal tire conditions. It features dual charging (solar and USB), motion-activated display, and supports various vehicle types including cars, bikes, and scooties.

Key features include:

- Solar & USB Charging for continuous power.
- Motion Auto Wake Sensor to conserve battery.
- Real-time Pressure & Temperature Display.
- Voice Alert Safety System for critical warnings.
- Compatibility with air and nitrogen-filled tires.
- Pressure range: 0 to 87 psi; Temperature range: 0°C to 99°C.
- High accuracy:  $\pm 1$ psi &  $\pm 1^\circ\text{C}$ .

## 2. WHAT'S IN THE BOX

Upon unboxing your Skyshop C240 Prime TPMS, you should find the following components:

- 1x Monitor Display Unit
- 1x User Manual
- 4x External Sensors (FL, FR, RL, RR)
- 4x Anti-Theft Screws
- 1x Wrench (for anti-theft screws and battery replacement)

- 1x Double-sided Tape (for display mounting)
- 1x Data Cable (for USB charging)
- Extra Rubber Rings
- Extra Sensor Battery (CR1632)



Image: Contents of the Skyshop C240 Prime TPMS package, including the monitor, four external sensors, wrench, anti-theft screws, USB cable, and manual.

## Unboxing and Component Overview (Video Segment)

Video: This segment (0:00 - 0:29) demonstrates the unboxing process and provides a visual overview of all included components.

## 3. SETUP AND INSTALLATION

### 3.1 Initial Display Unit Setup

1. **First Use Charging:** Before initial use, plug in the USB cable and hold the right-hand side button to switch on the display. Charge the unit for at least 2 hours.
2. **Automatic Brightness:** The display features automatic brightness adjustment. During the day, when light hits

the solar panel, brightness increases for better visibility. At night, brightness lowers to reduce distraction while driving.

3. **Motion Sensor:** The display will automatically turn on when the vehicle is in motion. When parked and no motion is detected, the display will turn off to conserve battery.



## USB + Solar Charging

Dual charging methods all-weather monitoring

**Sunny**

**Cloudy Day**

**Rainy Day**

**Night**





### Solar Charging



### USB Charging



Normal light: maintain work  
Strong light: { maintain work  
                  replenish battery



Micro Usb



### Normal Light

### Maintain Work

**7 Am to 10 Am**  
**3 Pm to sunset**



### Strong Light

### Maintain Work

**+**

### Replenish Battery

**11 Am to 3 Pm**

Image: Illustration of solar and USB charging, automatic screen brightness adjustment, and compatibility with various vehicles.

### Initial Display Unit Setup (Video Segment)

Video: This segment (0:29 - 0:52) demonstrates the initial charging, automatic brightness, and motion sensor functionality of the display unit.

### 3.2 External Sensor Installation

Install the sensors according to the name mentioned on each sensor (FL: Front Left, FR: Front Right, RL: Rear Left, RR: Rear Right).

1. Unscrew the original valve cap from the tire valve.
2. Screw on the anti-theft nut (if using) onto the valve stem.
3. Screw the corresponding sensor onto the valve stem until it is hand-tight.
4. Tighten the anti-theft nut against the sensor using the provided wrench to secure it. Rotate the screw anti-

clockwise to tighten.

**Note:**

- The sensors can be used without the anti-theft screws, but ensure they are securely tightened to prevent them from falling off.
- After installation, the display unit will show the tire pressure and temperature readings.
- Ensure your vehicle has original copper valves. Some duplicate aluminum valves may not be compatible or may cause issues.



Image: Four external sensors (FL, FR, RL, RR) with the accompanying wrench and anti-theft nuts, ready for installation.

## External Sensor Installation (Video Segment)

Video: This segment (0:53 - 1:16) illustrates the step-by-step process of installing the external sensors onto the tire valves.

### 3.3 Display Unit Mounting

1. Before attaching the display to your dashboard, clean the area with a wet cloth to remove any dashboard polish. Allow the area to dry completely.
2. Peel off the protective film from the double-sided tape and attach it to the bottom of the display unit.

3. Firmly press the display unit onto the cleaned dashboard area.

## Automatic Screen Brightness Adjustment

**Night: low Brightness**  
(No impact on driving, eye protection)

**Daytime: Brightness Increases** (easy to see)

Temperature unit  
SET Button  
+ Button  
- Button  
Power Button  
Solar charging  
Pressure unit  
Pressure  
Battery icon

Sun visor design  
1.18in  
4.33in  
3.35in

### Car

### Bike

### Scooty

**How to use with Bike**  
**Watch Video on Amazon**

### Voice Alert

### Pressure Display

### Temperature Display

Image: The Skyshop C240 Prime TPMS display unit mounted on a vehicle dashboard, showing its compact design and clear readings.

## Display Unit Mounting (Video Segment)

Video: This segment (1:25 - 1:50) demonstrates the process of cleaning the dashboard and mounting the display unit using double-sided tape.

## 4. OPERATING INSTRUCTIONS

### 4.1 Real-time Data Display

Once the sensors are installed and the display unit is powered on, it will show real-time tire pressure and temperature for all connected tires. The larger digits typically represent tire pressure (in PSI or Bar), and smaller digits represent tire temperature (in °C or °F).

# Skyshop® C240 Prime TPMS (Voice Alert)

- ✓ Solar + USB Charging
- ✓ Real-Time Pressure & Temperature Display
- ✓ Voice Alert Safety System



Image: The display showing real-time tire pressure and temperature readings for all four tires, along with battery status and solar charging indicator.

## 4.2 Switching to 2-Tire Mode (for Bikes/Scooters)

The Skyshop C240 Prime TPMS can be configured for 2-tire vehicles like bikes or scooties. This setting is available in TPMS units sold after July 1, 2025.

1. Hold the center button on the display unit until the settings menu appears.
2. Navigate through the settings by pressing the center button until you reach the tire count setting (it might show '05' for 5 tires initially).
3. Press the left button to change the tire count to '02' for 2 tires.
4. Hold the center button again to save the setting and exit.
5. Once set to 2 tires, you can remove the car's front and rear sensors and screw them onto your bike or scooter tires (FL for front, FR for back).

### Note:

- The display can be kept in a bag, pocket, or under the seat (dikky) of your bike/scooty. It will still alarm in case of low pressure or puncture.
- To switch back to 4-tire mode for a car, repeat the process and change the tire count to '05' (for 4 main tires + 1 stepney) or '06' (for 4 main tires + 2 stepney/traveler car).

**2% Cars Tyre Have Duplicate Valve make Sure u have Original Copper Valve  
Before Order External Sensors**

**Original (Copper) Valve V/S Duplicate(Aluminium) Valve**



Image: The Skyshop C240 Prime TPMS display showing compatibility with cars, bikes, and scooties, highlighting its versatile usage.

## Switching to 2-Tire Mode (Video Segment)

Video: This segment (1:50 - 3:18) provides a detailed demonstration of how to switch the TPMS display from 4-tire mode to 2-tire mode for use with bikes or scooties, and then back to 4-tire mode for cars.

## 5. MAINTENANCE

### 5.1 Sensor Battery Replacement

The external sensors use replaceable CR1632 batteries, which typically last 1.5 to 2 years. To replace a sensor battery:

1. Use the provided wrench to unscrew the sensor cover.
2. Carefully remove the old CR1632 battery.
3. Insert a new CR1632 battery, ensuring correct polarity.
4. Replace the sensor cover and tighten it with the wrench.



## Flexible Usage

- Transfer sensors between vehicles
- Use on car, bike, scooty
- Supports tube & tubeless tyres

**Install in Minutes. Use Anywhere.**

Image: Illustration highlighting the long-lasting (1.5-2 years) and easily replaceable CR1632 batteries in the sensors.

## 6. TROUBLESHOOTING

If you encounter any issues with your Skyshop C240 Prime TPMS, refer to the following common problems and solutions:

| Problem                                               | Solution / Relevant Information                                                                                                                                                                             |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure reading mismatch with air filling station.   | The TPMS sensors use German chips for high accuracy. If there's a mismatch, test your tire pressure with 2-3 different air filling machines. If doubt persists, contact customer support for clarification. |
| Tire pressure changes significantly with temperature. | Tire pressure naturally decreases in cold weather and increases in hot weather. This is normal. Adjust tire pressure to recommended levels when tires are cold.                                             |
| What is the accuracy of the TPMS?                     | The TPMS is tested and passed with $\pm 1$ PSI accuracy.                                                                                                                                                    |
| Sensor is lost or damaged.                            | Spare sensors are available at affordable rates. Contact customer support for replacements.                                                                                                                 |
| Display not turning on or showing readings.           | Ensure the display unit is fully charged. Check if the motion sensor is active. If issues persist, contact customer support.                                                                                |

## 7. SPECIFICATIONS

| Feature            | Detail                                                                                                    |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| Brand              | SKYSHOP                                                                                                   |
| Model Number       | C240 Prime External                                                                                       |
| Compatible Devices | Universal (Suitable to All Cars, Bikes, Scooties) with tubeless & tube tires, pressure range up to 87 PSI |
| Charging Method    | Solar & USB Charging                                                                                      |

| Feature             | Detail                                              |
|---------------------|-----------------------------------------------------|
| Connectivity        | RF Signal technology                                |
| Pressure Range      | 0 to 87 psi                                         |
| Temperature Range   | 0°C to 99°C                                         |
| Accuracy            | ±1psi & ±1°C                                        |
| Sensor Battery Life | 1.5 to 2 years (Replaceable Battery Model - CR1632) |
| Alarms              | Low Pressure, High Pressure, High Temperature       |
| Item Weight         | 190 Grams                                           |

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The Skyshop C240 Prime TPMS comes with a 1-year manufacturer warranty from the original date of purchase. Skyshop prioritizes customer satisfaction and offers lifetime customer support and availability of TPMS parts (sensors) at affordable rates for cost-effective maintenance.

### 8.2 Customer Support

For assistance with fitment, warranty, services, or any TPMS issues, please contact Skyshop Customer Support:

- **Customer Care Number:** 9588310457 (Working Hours: 10 AM to 7 PM, Monday to Saturday)
- **Email:** Futurelife131001@gmail.com
- The customer care number is also listed on the product box and manual.