PRODUCT MANUAL

1. Product Informaton

Product Name: Steel Mate X1+ Solar TPMS Tire Pressure Monitoring System

Product Model: X1+ Solar TPMS Tire Pressure

Product Photo::



2. MANUFACTURER & EU REPRESENTATIVE INFO

- **Manufacturer: ShenZhen UPCN Tech,Ltd**
- **EU Authorized Representative:** [VAT SPEED SL, Calle Antonio Salvador N99.1,28026 Madrid,Spain, services@vatspeed-eu.com/34-916321624]

3. Compliance Information

CE

NOTE: This product must comply with all applicable safety and regulatory requirements in the market where it is sold. Sellers must assess which requirements and regulations apply based on the actual product type, function, and destination market.

4. Instructions for Use

This Steel Mate X1+ tire pressure monitoring system supports both built-in and external sensors, equipped with solar powered display monitor and high precision detection chips to offer real-time tire pressure and temperature inspection for various passenger vehicles, effectively reminding drivers of air leakage, abnormal high pressure and overheating tires during daily driving, which reduces tire blowout risks and extends

tire service life, you should read all content of this manual carefully before installation and use to avoid wrong sensor installation, incorrect host matching or improper charging affecting normal monitoring function, keep this manual for future daily checking and simple fault troubleshooting. Before installing the TPMS sensors, park your vehicle on flat and solid ground, turn off the engine and pull the handbrake securely, choose either built-in or external sensor solution according to your actual demand, external sensors can be directly screwed onto tire valve nozzles without tire disassembly while built-in sensors need tire dismounting and professional dynamic balance operation, inspect all sensors, solar monitor and accessory parts first to check for shell cracks, damaged sealing rings and deformed threads, stop installation if any broken accessories are found and replace with new standard parts, never use defective sealing components which will lead to air leakage of tires after assembly. When installing external sensors, remove original valve cap first, fasten the anti-theft gasket then screw the X1+ external sensor clockwise onto the valve mouth moderately, do not apply excessive force to avoid slipping threads and damaging tire valves, for built-in sensors, send tires to professional tire shop for disassembly, fix the sensor inside tire inner rim tightly and complete dynamic balance to prevent vehicle shaking at high speed, after finishing all four wheel sensor installation, wipe tire sidewall and valve position to clear mud and dust for stable signal transmission between sensors and monitor host. Place the solar TPMS display monitor on vehicle center console with the matched non-slip mat, adjust its angle to make the solar panel face natural light as much as possible, this monitor mainly relies on solar energy for continuous power supply, it also reserves USB charging port for supplementary charging under long-term dark environment such as underground parking lots, complete wireless pairing between monitor and four wheel sensors after fixing the host, the monitor will automatically receive real-time pressure and temperature data of each tire within effective signal range, the screen will separately show data of front left, front right, rear left and rear right tires, the built-in high precision detection module can capture tiny pressure changes instantly to realize accurate tire inspection, during driving, the system will send visual flashing alarm and sound alert once tire pressure exceeds preset safe range or tire temperature rises abnormally, you need to slow down and stop the car safely to check tire leakage or excessive inflation timely once receiving alarm reminder. In daily driving and use, avoid scratching sensors with road curbs, stones or road debris to prevent sensor shell breakage and internal circuit damage, do not spray high-pressure water gun directly onto sensors for a long time during car washing, chemical car wash liquid may corrode sensor sealing rings and cause air leakage, regularly wipe the solar panel of monitor with soft dry cloth to remove

dust covering surface, dust coverage will reduce solar charging efficiency and shorten monitor standby time, if you need to replace tires or repair tire puncture, dismount external sensors in advance or inform tire maintenance staff to protect built-in sensors inside rims, avoid violent prying hitting sensors during tire repair operation, do not place metal shielding objects around the monitor which will block wireless signal and cause data loss or delayed tire pressure display. When you finish long-distance driving and park the vehicle for storage, no extra power off operation is required for this solar TPMS system, the monitor will automatically enter low power sleep mode after a period without signal change, solar panel can continuously supplement standby power under natural light to keep the system ready for next startup, when cleaning and storing spare sensors, place them in dry cool place away from humid environment and corrosive liquid, do not squeeze sensors with heavy objects to protect internal detection chips and airtight structure. This Steel Mate X1+ TPMS is designed for standard passenger cars with common tire valves, it is not applicable to large trucks, engineering vehicles and special modified vehicles with unmatched tire valve structures, if the monitor screen fails to display tire data after correct installation, recheck sensor thread tightness and sealing status, wipe solar panel fully then restart pairing mode on monitor to reconnect wheel sensors, if abnormal alarm appears frequently without actual tire fault, check whether sensor is loose or covered by metal shielding parts, any damage to sensors and monitor caused by improper installation, violent collision, unauthorized disassembly and long-term soaking will invalidate product warranty, users shall bear relevant replacement and maintenance fees generated from non-standard operation.