

GRUNDIG

GRUNDIG S04 Solar Heavy-Duty TPMS

Wireless 6-Wheel Truck Tire Pressure Monitoring System | Operation Manual

IMPORTANT NOTICES & SAFETY PRECAUTIONS

- **Read Before Operating:** Please review this operation manual thoroughly prior to system deployment to ensure proper sensor pairing and optimal real-time feedback.
- **Parameter Adjustment:** To guarantee system precision and stability, it is not recommended to modify pre-set parameter limits unless specific tailored professional configurations are needed.
- **Installation Order:** CRITICAL: Turn ON the main receiver monitor host unit power BEFORE screwing the sensors onto your tire valve stems.

I. Product Overview

Thank you for purchasing the GRUNDIG S04 Commercial Tire Pressure Monitoring System (TPMS). This system is custom-engineered to provide 6-wheel medium trucks, heavy cargo logistics carriers, commercial trailers, and multi-axle freight transports with continuous, precision vehicle oversight.

Once deployed, the S04 proactively reads, parses, and updates core tire telemetry. Upon discovering localized low/high inflation pressure variances or spike thermal trends, the receiver immediately sounds an audible alarm alert and blinks the corresponding tire display matrix block.

II. Receiver Host Interface & Layout

2.1 Button & Display Configuration



Figure 1: S04 Receiver Layout with Integrated Solar Panel and Top Controls

Button No.	Button Name	Functional System Description
1	UP Button/ Power Button	<p>Dual Functionality: Serves as both menu navigation and power control.</p> <ul style="list-style-type: none"> ▲ Menu Navigation: Press to navigate menus upward or incrementally increase custom parameter values. ▲ Power Control: Press and hold for 3 seconds to turn the monitor unit fully ON or OFF.
2	Settings Button	Press and hold for 3 seconds to enter/exit the system setup menu; short press to cycle fields or save configurations.
3	Down	Short press to navigate parameters downward or decrease targeted numerical thresholds.

2.2 Factory Default Settings

- **Pressure Metrics Unit:** BAR (Default)
- **Thermal Temperature Unit:** °C (Default)
- **Tire Pressure Upper Safety Boundary:** 8 Bar (116 PSI) (Default)
- **Tire Pressure Lower Safety Boundary:** 3.0 Bar (43.5 PSI) (Default)
- **Critical Temperature Threshold:** 68°C (Default)

III. System Parameter Customization Guide

3.1 Setting of Air Pressure Units (Factory default is BAR)

- In standby mode, press and hold the 'Settings' button for 3 seconds to enter the system settings mode.
- Press the middle button again; the BAR text will flash on the screen.
- Press the 'Left' button once; the PSI text will flash instead.
- Press the middle button to confirm and save your configuration.

3.2 Time Setting

- Long press the middle button to enter the settings menu. Press the right button once, then press the middle button twice; the time value digits will begin flashing.
- Press the left and right buttons to adjust to the current correct hour. Press the middle button once after completing the hour; the minutes digits will flash.
- Press the left and right buttons to adjust the minutes, then confirm with the middle button to lock the system time.

3.3 Upper Pressure Limit Setting

- Long press the middle button to enter the configurations menu. Press the right button twice, then press the middle button again; the target configuration number in the upper right corner will flash.
- Press the left and right buttons to adjust to your desired high-pressure safety ceiling, then press the middle button once to confirm.

3.4 Lower Limit Setting of Air Pressure

- Long press the middle button to enter the configurations menu. Press the right button three times, then press the middle button again; the target configuration number in the upper right corner will flash.
- Press the left and right buttons to adjust to your desired minimum cold low-pressure threshold, then press the middle button once to confirm and save.

3.5 Replacement of Individual Sensors

- Long press the middle button to enter the configurations menu. Press the right button four times, then press the middle button again; the middle tire Position ID number will flash.
- Press the left and right buttons to select your target tire position. (Index reference: 0 corresponds to Sensor 1, 1 corresponds to Sensor 2, sequencing consecutively up to 5 for all 6 wheel slots).
- Select the specific targeted sensor position index and press the middle button again to make the corresponding ID flash rapidly, then immediately install the new sensor pod tightly onto the valve stem.

3.6 Factory Reset

- In the power-on active state, press and hold the middle button for 3 seconds to enter the configurations settings. Press the left button five times, then press the middle button twice consecutively.
- The machine module will automatically reset and restart, completely restoring all default factory configurations. At this time, the host will look for matching links and search for the sensors again. If there are updated sensors, install the new sensor pods on the valves in an orderly sequence within 30 minutes.

IV. Tire Sequence Layout



The system tracks metrics according to the standard multi-axle 6-wheel commercial chassis arrangement pattern (1: Left Front, 2: Right Front, 3: Left Outer Rear, 4: Left Inner Rear, 5: Right Inner Rear, 6: Right Outer Rear).