



Sprite™ TW200

Telematics Solution for MOTOTRBO™ Systems

The Sprite™ TW200 by Tallysman Wireless adds extensive intelligent autonomous GPS reporting capabilities to MOTOTRBO™ professional digital Two-Way radio systems. It features tools to greatly optimize channel traffic usage and to increase system performance, such as arrival time reporting (waypoints), proof-of-service (high rate position report-logging) and vehicle utilization monitoring (odometer, idle-time and speed). As well it provides efficient transmission of logged events and current position-reports.



The Sprite™ TW200 Telematics Solution provides extensive capabilities, such as GPS event driven reporting and logging, waypoint reporting, and provides features to minimize possible data loss due to signal fading. The end result is a fully featured Telematics platform that fully exploits the radio resources and maximizes channel usage by minimizing air-time data transmissions.

The Sprite™ TW200 features, two serial COM ports to connect peripherals such as Mobile Data Terminals (MDTs) and RFID readers, three general purpose inputs for monitoring events such as door opening and closing, and a status LED to indicate power and data connection to the radio. It is connected via the MOTOTRBO™ MAP (Mobile Accessory Port), keeping the Expansion Board interface available for other applications. The Sprite™ TW200 is configured using a Programming Kit (TW20X-PK), which includes a programming cable and a Windows® based Application to configure reporting parameters.

Features

- Connects to MOTOTRBO™ MAP
- 2 x RS232 COM ports
- Keeps Expansion Board interface available
- Periodic time and distance reports based on moving and stopped status
- Push to talk ID (PTT ID)
- Aggregated batch reporting
- High density position logs
- Time-OFF-Timer
- Time arrival & waypoints reporting
- Idle time & odometer reporting

Benefits

- Increased productivity
- Improved customer service
- Reduced fuel costs
- Ideal for Trunked Systems
- Eliminate un-authorized vehicle use
- Reliable record of pick-up and delivery times
- Odometer-based vehicle maintenance records
- Monitor vehicle utilization



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Specifications

- USB Host
- 1 RS232 with control line, or
2 RS232 Ports no control lines
(TX, RX, Gnd)
- 2 digital inputs & 1 bi-directional input
- Ignition input
- 8 MB Logging memory

Maximum Rating

- 8 to 18 VDC
- 150 mA typ.
- -40 to +85°C operating temperature
- Input logic - low: 0.7 to -5V
- high: 0.8 to 24V

Hardware Interface

- 6 Pin Molex (Power & Inputs)
- RJ45 radio
- RJ45 COM ports
- 1 LED – Power & Status indicator

Connectivity

- MOTOTRBO™ MAP connection
- COM port pass-through

Mechanical

- 3.01" L x 2.19" W x 0.91" H
(76.5 mm L x 55.6 mm W x 23 mm H)

Ordering Information

- | | |
|---|-----------|
| • Sprite™ TW200 box with power cable | 32-0200-1 |
| • Radio cable - for MOTOTRBO™ (un-terminated) | 27-0010-0 |
| • TW20X-PK - Programming Kit | 32-0001-1 |
| • RS232 cable with full control | 27-0012-0 |
| • Dual-port RS232 cable | 27-0013-0 |

Please contact NeoTerra Systems Inc for additional information

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