# TW201

**TALLYMATICS**®

The **connection** of things.®

## TW201 Sprite™
### Asset Tracking Device for Tait L3Harris

### Overview

The Sprite™ TW201 by Tallysman Wireless adds extensive intelligent, autonomous GPS reporting capabilities to TaitNet™ DMR, P25 and MPT1327 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.
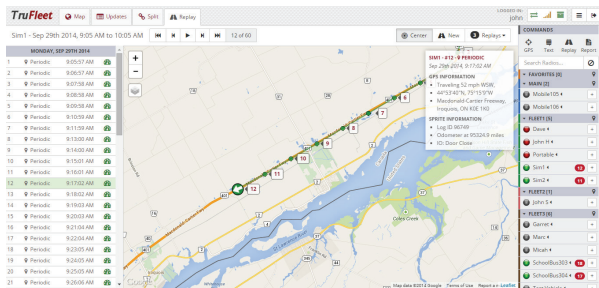
### Contrail Tracking

The Sprite Contrail tracking coupled with "Event" based reporting of I/O, Odometer, Engine Idle times etc, makes this platform uniquely positioned to meet all Fleet Tracking needs.

The Sprite Contrail data compression algorithm can combine up to 125 location reports and events into a single data transmission enabling sub 10 second tracking reports to be batched and sent every 15 Minutes!  This level of tracking provides location accuracies down to the block level which

is particularly important when auditing vehicle locations and for applications such as reporting International fuel Tax usage (IFTA Reports).

Tallysman's TruFleet ™ application combined with the TW202 contrail tracking capabilities enables radio system operators to increase the number of data users on their system many fold without having to add additional repeaters to support the increased data traffic.  Tallysman's TruFleet ™ application manages the TW202 Telematics contrail reporting without compromising system performance.

### Port Interface

The Sprite™ TW202 features two serial COM ports to connect peripherals such as Mobile Data Terminals (MDTs) devices.  An ignition input and three general purpose inputs are provided for monitoring events such as door opening and closing.



Contrail Tracking

### Features

- Map 27  interface
- Periodic time and distance reports based on moving and stopped status
- Push to talk ID (PTT ID)
- Minimize data traffic by batch reporting
- High Density Position logs
- Time-OFF-Timer
- 2 COM ports

### Benefits

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

# TW201 Sprite™

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## Specifications

### Ports

- 1 RS232 with control line, or
  2 RS232 Ports no control lines
- (TX, RX, Gnd)
- 3 digital inputs
- Ignition input
- 4 MB Logging memory

### Maximum Rating

- 8 to 18 VDC
- 150 mA current typ.
- -40 to +85oC operating temperature
- Input logic: Low . . . . . . . . . . . . . .0.7 to -5V
- Input logic: High. . . . . . . . . . . . . .0.8 to 24V

### Hardware Interface

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

### Connectivity

- MPT 1327
- COM port pass-through

### Mechanical

- Dimensions . . . . . . . . . . . . . . . . . .3.01" L x 2.17" W x 0.65" H (75mm L x 50mm W x 16 mm H)

## Ordering Information:

| | |
|---|---|
| **Sprite™ TW201 box with power cable & GPS antenna** | **32-0201-0** |
| **Radio cable - for Tait™ Series 8200** | **27-0014-0** |
| **TW20X-PK - Programming Kit** | **32-0001-0** |
| **RS232 cable with full control** | **27-0012-0** |

Please refer to the Ordering Guide (**http://www.tallymatics.com/ordering-guide/**) for the current and complete list of available products.

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Tallymatics manufactures high performance, telematics products and solutions for a wide range of applications. With support for both RF wireless and data networks, Tallymatics enables high-resolution location awareness of mobile field assets across any type of wireless network. Tallymatics is a division of Tallysman.

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