

## 📍 TW5390 High-Precision Smart GNSS Antenna with L-Band PPP-RTK SDK

Calian's High Precision Tallysman **Smart GNSS antennas** integrate advanced receivers and other processing elements with High Precision Tallysman GNSS antennas, connecting Position, Navigation and Timing resources to host systems over digital interfaces.

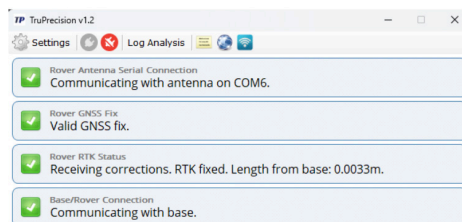
Calian Smart GNSS SDK's are a plug and play vehicle to evaluate our Smart Antennas, with tools, such as, TruPrecision Software, short term complementary augmentation subscription services and where needed bridge devices to adapt some serial formats to USB for plug and play operation.

The TW5390SDK supports the TW5390 High Precision GNSS Smart Antenna with L-Band PPP-RTK. TW5390 incorporates the u-blox ZED-F9R GNSS receiver and NEO-D9S L-Band receiver. It features:

- PointPerfect PPP-RTK Corrections over LBand (<6cm accuracy)
- RTK Base Configuration (<cm accuracy)
- Multi-Constellation, Dual Band
- Inertial Measurement Unit Sensor Fusion



TW5390 Smart GNSS Antenna



TruPrecision Software



**PointPerfect**  
GNSS augmentation service

**60 Days Complementary PointPerfect  
GNSS Augmentation Service**

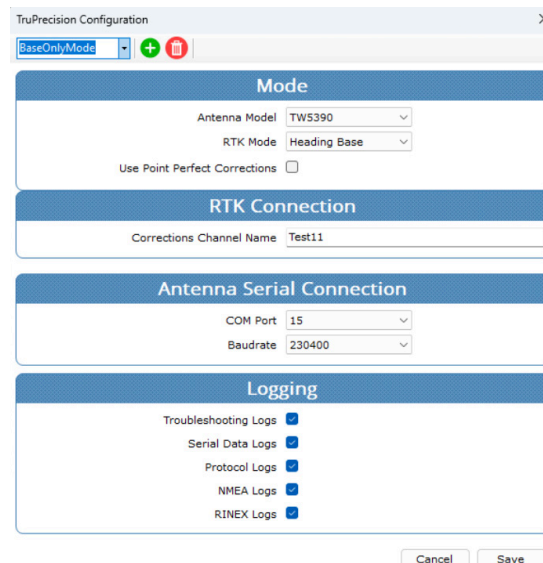


RS-422/485 to USB Bridge

## TW5390 SDK includes:

- Tallymatics TW5390 Dual Frequency Precision Smart Antenna/Receiver with L-Band receiver
- Tallymatics TW5390 USB Serial Bridge (33-0095-11)
- Tallymatics TruPrecision Application for PointPerfect IP correction streaming
- 60 day trial subscription to the PointPerfect augmentation service
- Ordering Information: 33-TP5390SDK-0 (RS-422/485 RJ45)

The TruPrecision SDK application is a Windows service which provides an autonomous connection to stream PointPerfect IP corrections and decryption keys to the TW5390 Smart Antenna via the the USB Serial Bridge (33-0095-11), which also provides a Virtual COM Port to allow customers to connect their existing applications to the Calian Tallysman Smart GNSS Antenna high precision “corrected” position data output. The position data may be either NMEA or UBX formatted messages.



## About Calian

We keep the world moving forward. Calian® helps people communicate, innovate, learn and lead safe and healthy lives. Every day, our employees live our values of customer commitment, integrity, innovation and teamwork to engineer reliable solutions that solve complex problems. That's Confidence. Engineered. A stable and growing 40-year company, we are headquartered in Ottawa with offices and projects spanning North American, European and international markets. Visit [calian.com](http://calian.com) to learn about innovative healthcare, communications, learning and cybersecurity solutions.

[info.gnss@calian.com](mailto:info.gnss@calian.com) | +1 613 591-3131 