

# NEWEST PRODUCTS



## Tallysman 33-5794SDK-1 Smart Precise Heading GNSS Antenna Software Development Kit

The Tallysman 33-5794SDK-1 Smart GNSS Antenna Software Development kit is an evaluation/development package for the 33-5794-19-10 Smart Precise Heading GNSS Antenna. The 33-5794-19-10 is a Dual Band (L1/L2) Smart GNSS Antenna that integrates a Tallysman Accutenna® dual feed ceramic patch, with eXtended Filtering, with a u-blox ZED-F9P High Precision (cm level) GNSS receiver and a u-blox D9S L-Band Corrections receiver. The 33-5794-19-10 Smart GNSS Antenna connects to a host system via a USB 2.0 Type A cable.

The 33-5794SDK-1 includes one 33-5794-19-10-05-PC0 antenna, TruPrecision evaluation software, and 60 day complementary access to u-blox PointPerfect PPP-RTK Augmentation service.

## GNSS Coverage

GPS/QZSS-L1, GPS/QZSS-L2, GLONASS-G1, GLONASS-G2, Galileo-E1, Galileo-E5b, BeiDou-B1, BeiDou-B2, L-band correction services

## ANTENNA APPLICATIONS

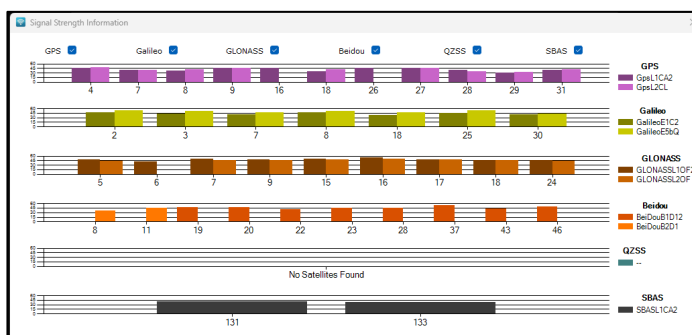
- Autonomous Driving
- Smart Agriculture
- Robotics
- UAV



## TRUPRECISION SOFTWARE

TruPrecision is a Windows based application for evaluating Tallysman's Dual Band Smart GNSS antennas. It provides the following benefits:

- Simple mechanism for associating u-blox PointPerfect service with target Smart GNSS Antenna
  - Sign-up
  - License Key download and application
- Satellite Signal Strength Map



- Logging
  - Type of Logs
  - Troubleshooting
    - Serial Data
    - Protocol
    - NMEA
    - RINEX
  - Log Viewer
- Easy configuration and monitoring of Tallysman Smart GNSS Antennas

<ul style="list-style-type: none"> <li>• <u>Configuration</u> <ul style="list-style-type: none"> <li>○ Antenna Type</li> <li>○ Operating mode               <ul style="list-style-type: none"> <li>▪ RTK                   <ul style="list-style-type: none"> <li>• Base/Rover</li> <li>• Moving Base RTK</li> <li>• Cloud Channel for RTCM transmission from Base to Rover</li> <li>• PointPerfect PPP-RTK</li> <li>• License download</li> <li>• L-Band or Network IP</li> </ul> </li> <li>▪ Enable Sensor Fusion for Inertial Measurement Unit</li> <li>▪ Survey-in constraints                   <ul style="list-style-type: none"> <li>• Fast Survey in</li> </ul> </li> </ul> </li> <li>○ COM Port and Baud Rate</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <u>Status</u> <ul style="list-style-type: none"> <li>○ Basic               <ul style="list-style-type: none"> <li>▪ Host Connection Status</li> <li>▪ Fix Status</li> <li>▪ RTK Status</li> <li>▪ Base/Rover Connection</li> </ul> </li> <li>○ Detailed               <ul style="list-style-type: none"> <li>▪ Valid/invalid</li> <li>▪ Time</li> <li>▪ Lat/Long</li> <li>▪ Accuracy Quality</li> <li>▪ Survey-in performance</li> <li>▪ IMU calibration</li> </ul> </li> </ul> </li> </ul>
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## 60 DAY COMPLEMENTARY U-BLOX POINTPERFECT AUGMENTATION SERVICE

The 33-5794SDK-1 showcases the u-blox ZED-F9P High Precision GNSS receiver, which attains cm level accuracy over large geographic regions using augmentation information from u-blox's PointPerfect Service. This is a subscription service, with multiple options for usage. Included in the 33-5794SDK-1 package is 60 days of unlimited access to L-Band or IP-Network access.

