

NEWEST PRODUCTS



Tallysman 33-TP5790SDK-1 Smart Precise Heading GNSS Antenna Software Development Kit

The Tallysman 33-TP5790SDK-1 Smart GNSS Antenna Software Development kit is an evaluation/development package for the 33-5790-19-10 Smart GNSS Antenna with L-Band. The 33-5790-19-10 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-F9R High Precision (cm level) GNSS receiver and a u-blox D9S L-Band Corrections receiver. The 33-5790-19-10 Smart GNSS Antenna connects to a host system via a USB 2.0 Type A male connector.

The 33-TP5790SDK-1 includes one 33-5790-19-10-05-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

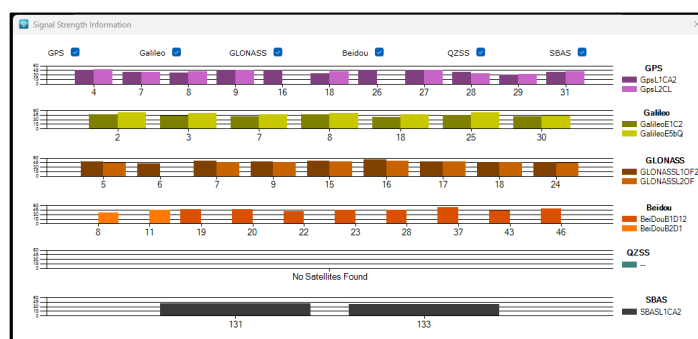
- Autonomous Driving
- Smart Agriculture
- Robotics
- UAV
- Geodetic Survey
- Precision Timing
- Subsidence Monitoring
- Digital Twin



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

The 33-TP5790SDK-1 showcases the u-blox ZED-F9R 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-TP5790SDK-1 package is 60 days of unlimited access to L-Band or IP-Network access.