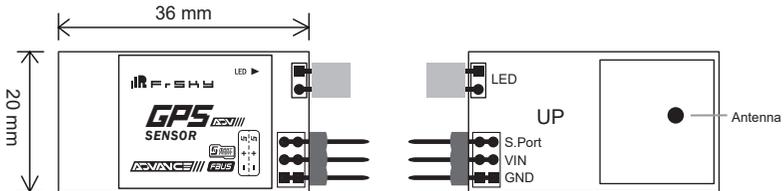## Introduction

Thanks for purchase FrSky's GPS ADV sensor. To maximize your enjoyment, and to ensure proper sensing, please read this manual thoroughly.

Note: All instructions, warranties and other collateral documents are subject to change at the sole discretion of FrSky Electronic Co., Ltd. For further information, please visit www.frsky-rc.com and click the support tab for this product.
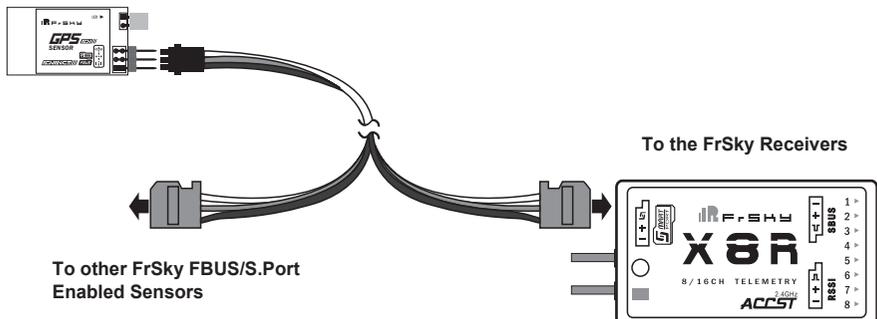
Overview

Specifications

- Dimension: 45*20*10.4mm (L*W*H)
- Weight: 11g
- Operational Voltage: DC 4 -10V
- Current Draw: 40mA @5V
- Operating Temperature: -40℃~85℃
- Data Rate: 10Hz
- Time to fix: 30s cold start

- Speed Accuracy: Approx 0.1m/s
- Sensitivity: -164dBm
- Antenna: Built-in patch
- Position Accuracy: Approx 2.5m CEP
- Operation Limits: Dynamics 4g/Altitude 50,000m/ Velocity 500m/s
- Compatible with FBUS/S.Port protocol

Set Up

FrSky Smart Port GPS is only compatible with FrSky Smart Port enabled receivers, such as X8R, X6R, X4R, etc.. Here we take the setup together with X8R receiver for example. For more details, please refer to corresponding receiver instruction manual.

To the FrSky Receivers

To other FrSky FBUS/S.Port Enabled Sensors

FrSky Electronic Co., Ltd. www.frsky-rc.com Contact us: frsky@frsky-rc.com

Add: F-4,Building C, Zhongxiu Technology Park, No.3 Yuanxi Road, Wuxi, 214125, Jiangsu, China Technical Support: sales4tech@gmail.com

> **Warning: The GPS should be mounted with Velcro in your model so that the "UP" side is facing toward the sky.**
> **FrSky GPS ADV Sensor - feeds variable directional information such as:**
> **Altitude, position, speed, and UTC time etc., which is displayed in real time on FrSky Transmitter.**

Other FrSky FBUS/S.Port enabled sensors including new Smart Port enabled Variometer Sensor, Lipo Voltage Sensor, RPM Sensor, Airspeed Sensor, and so on.

ID Set Up

Each type of FrSky Smart Port enabled sensor has its unique physical ID. The ID number could be changed by Free Link (Windows/android/ios). Please refer to the instruction manual of FrSky Servo Channel Changer for details.

> **Note: All FrSky Smart Port enabled sensors could daisy chain with each other through their Smart Port.**

LED Status

The Battery and ESC should be connected to BAT port and ESC port correspondingly and make sure the polarity is correct. FrSky is not responsible for any damage caused by wrong polarity connection.

LED Status	S.Port	FBUS
Flash slowly	YES	NO
Flash quickly	NO	YES

FrSky is continuously adding features and improvements to our products. To get the most from your product, please check the download section of the FrSky website www.frsky-rc.com for the latest update firmware and manuals