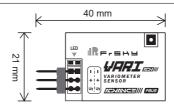## Introduction

Thanks for purchasing FrSky's Variometer sensor. This sensor, used in conjunction with a telemetry transmitter/receiver, is used to indicate the altitude and altitude rate of the item to which it is attached. To maximize your enjoyment, and to ensure proper sensing, please read through this manual thoroughly. We also encourage you to retain the manual for future reference.

> **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.**

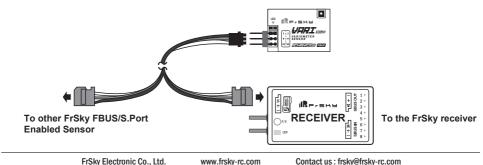> **Notice: The Variometer sensor is designed for use with FrSky telemetry systems.**

Overview

Specifications

- Type: Variometer sensor
- Dimensions: 40*21*6.5mm (L*W*H)
- Weight: 3.4g
- Measures: -1800 ~ 10000m with 0.1m
- Operational Voltage: DC 4-10V
- Operational Current: 4mA
- Units: Metric or Imperial

The Variometer sensor calculates the altitude from atmospheric pressure. Atmospheric pressure will get lower as you go up in altitude, using this the sensor will estimate the altitude. An exact display cannot be performed if atmospheric pressure changes in weather.

Installation

The FBUS (F.Port2.0) protocol is the upgraded protocol from 1.0 version. The S.Port (Smart Port) supports protocols of FBUS. This new protocol enables one Host device to communicate on one line with several Slave accessories.

To other FrSky FBUS/S.Port Enabled Sensor

RECEIVER

To the FrSky receiver

ID Set Up

The default physical ID for this sensor is 00. The ID number could be changed by FreeLink.

Notice: 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