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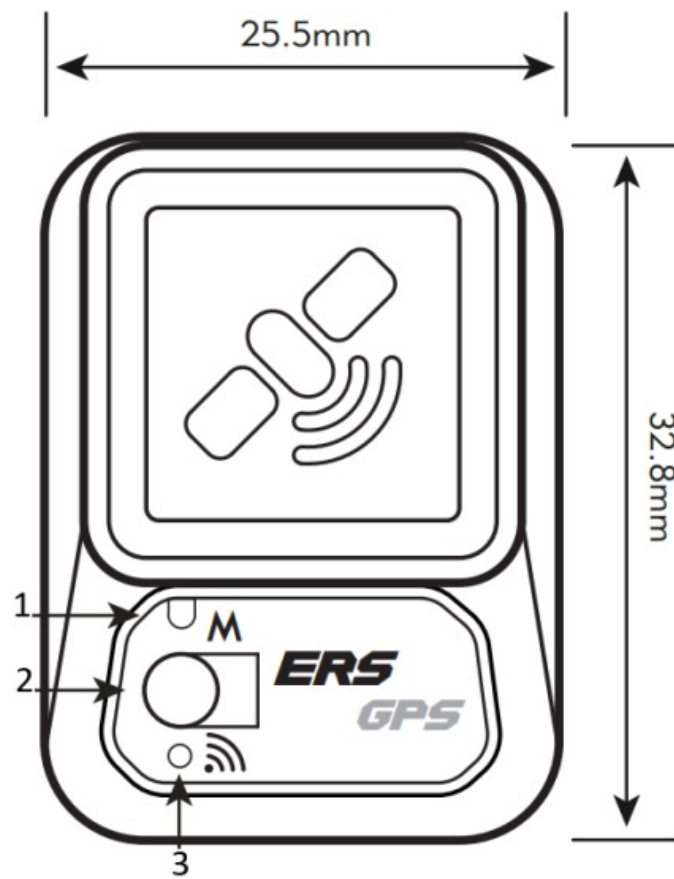
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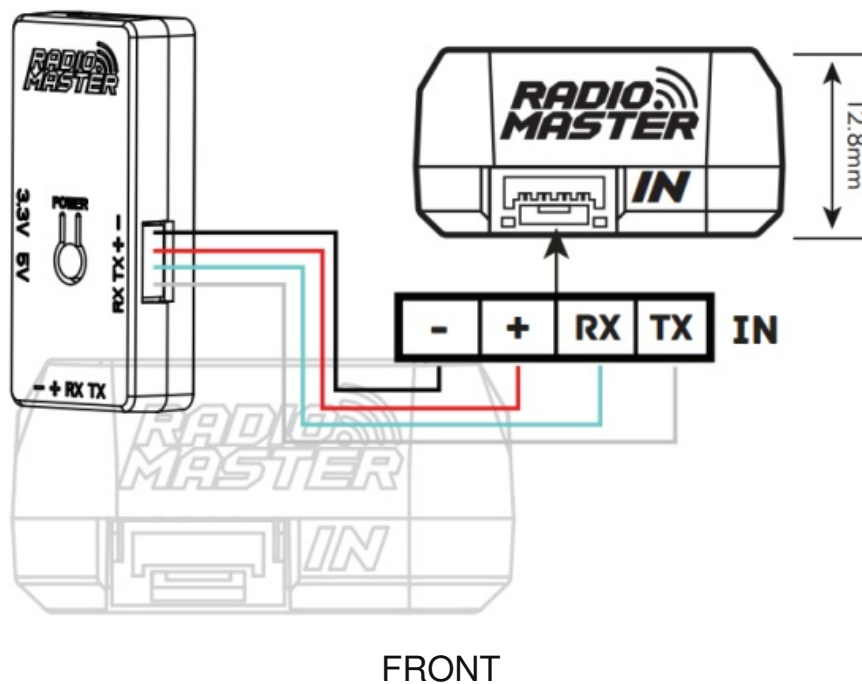
## ERS-GPS User Manual

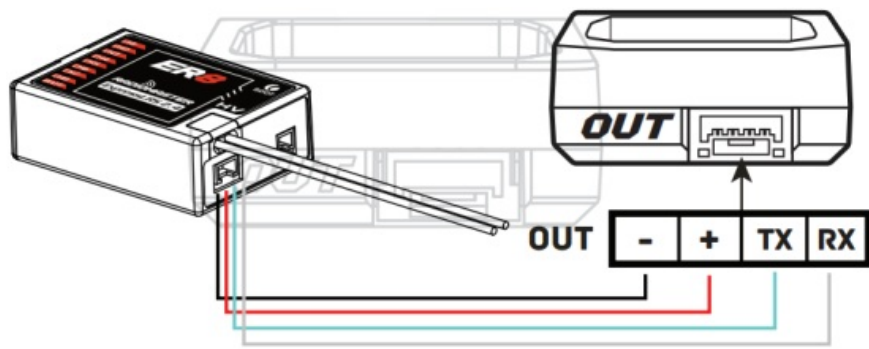


TOP



1. MODE
2. Button
3. GPS LED





## SPECIFICATIONS

- Size: 32.8\*25.5\*12.8mm
- Weight: 13.3g
- Power Supply: DC 3.0~12.0V
- Current: 35mA (5V)
- Telemetry Protocol: CRSF

## INCLUDES

1x Radio Master ERS-GPS

1x CRSF Wire

## COMPATIBLE RECEIVERS

ER6 / ER8 / ER8G / ER8GV 2.4GHz ELRS PWM Receivers

## SETUP

1. Discover New Sensors
2. Select Widget
3. Choose "VALUE"
4. Source = (Choose One of the following:)
  - [GPS] GPS Full Data
  - [GSpd] GPS Ground Speed
  - [GSpd+] GPS Max Ground Speed
  - [GSpd-] GPS Minimum Ground Speed

## GPS LED

**Flashing:** Searching for GPS

**Solid ON:** Four or more satellites are acquired

## INTRODUCTION

The **ERS-GPS** Telemetry Sensor is a specialized GPS unit designed by Radio master for the ER series Express LRS PWM receivers. This plug-and-play sensor integrates with the receiver via the CRSF interface. Equipped with two modes: Mode one to provide accurate GPS data and Mode two to provide accurate ground speed. Mode one is ideal capturing position and altitude logs when used with our ER series receivers with built-in barometers. Mode two is ideal for measuring speed in airplanes, jets, boats, or cars. Additionally, the ERS-GPS features a pass-through function that allows for easy future expansion of telemetry sensors through a daisy-chain arrangement.

## FEATURES

- GPS Data mode and GPS Ground speed mode: Log your GPS position or track your speed in real-time and quickly access peak performance stats.
- Future-Ready Pass-Through: The ERS GPS comes equipped with an in-and-out pass-through port, allowing you to daisy-chain additional sensors in the future no need to swap out hardware as your needs evolve.
- Seamless Express LRS Integration: Designed to work effortlessly with compatible ER series Express LRS receivers.

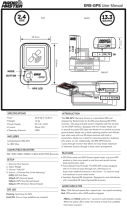
## MODE INDICATOR

**Blue:** 10Hz Ground speed data. (speed runs / top speed recording)

**Red:** GPS position data. (GPS position logging)

**PRESS** and **HOLD** button for 1 second to cycle between modes. When the green LED is solid, this means at least four satellites have been acquired.

## Documents / Resources



## [RADIOMASTER ER6 PWM Receiver \[pdf\]](#) User Manual

ER6, ER8, ER8G, ER8GV, ER6 PWM Receiver, ER6, PWM Receiver, Receiver

## References

- [User Manual](#)

ER6, ER6 PWM Receiver, ER8, ER8G, ER8GV, PWM Receiver, Radiomaster, Radiomaster Receiver

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