

# QUICK START GUIDE:

# VANGUARD TRAKR GPS RECEIVER



AE6980

### Included in Kit:

- Factory installed magnets for mounting
- 15-foot cable
- LED status light
- Mobile app to monitor and configure the device
  - Speed readout
  - Satellite count
  - Fault codes
  - Settings
  - Support information

### Device Specifications:

Measurements:  
4.86"L x 6.55"W x 2.22"D

Power Requirements:  
3.5 V – 36 V, 0.2 A

Access the  
Full Setup  
Manual:



Thank you for choosing the Vanguard TRAKR GPS receiver – your trusted companion for speed tracking. Please use this Quickstart Guide to set up your unit. Need assistance? Our support team is ready to help at 855-334-3400 (option 5).

### Mounting Instructions

The TRAKR receiver should be mounted using the installed magnets in a location with an unobstructed view of the sky. The cable should be routed in such a way as to avoid sharp edges or pinch points. A mounting plate is available for instances where a magnetic surface is needed.

NOTE: This device should be mounted at least 8 inches (20 cm) away from any person when in operation.

### Connecting to Console

Connect the receiver to the speed connector of the console. The receiver is equipped with a four-pin amp connector. Speed adapter cables are available from Ag Express.

### Speed Calibration

The device must be calibrated to the connected console (see console manual for instructions).

### Mobile App Settings

- Wi-Fi Network: AEWIFI\_VRXXXX (XXXX is the serial number of the device)
- Password: 123456789

### Performance Specifications

- Satellite Constellations: Up to 4
- Satellite Channels: Up to 92
- GPS Position Update: 25 Hz
- Cold Start: 29 seconds
- Hot Start: 2 seconds
- Accuracy: 0.1 mph

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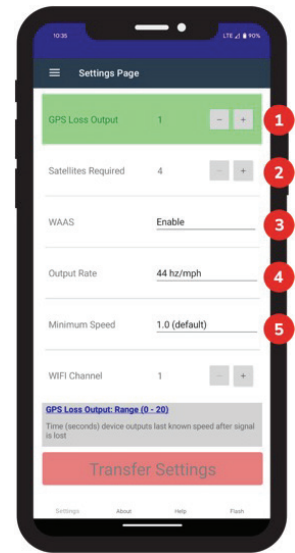
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## User Settings

- Loss of GPS Radar Delay** – The time device will output last known velocity if GPS is lost.
  - Minimum: 1 second
  - Maximum: 20 seconds
- Satellites Required** – The minimum number of satellites required for speed output.
  - Minimum: 3 (default)
  - Maximum: 10
- WAAS Enable** – Requires SBAS lock to output speed
  - Enabled
  - Disabled (default)
- Output Rate** – Adjust speed pulse output rate to match console.
  - 10.12 Hz/mph (Hiniker/some Micro-Trak)
  - 44 Hz/mph (CNH)
  - 57 Hz/mph (DJ/Vanguard/ Raven Consoles) (default)
  - 70.4 Hz/mph
  - Custom
- Minimum Speed** – The minimum MPH required to output speed pulse.
  - 0.25 – 1.5 mph or custom
  - 1.0 mph (default)



## Speed

The maximum number of satellites required for speed output is three.

GPS Indicator	Satellite Conditions
0 bars	< 3 satellites
1	4-5 satellites
2	6-8 satellites
3	9-11 satellites
4	> 12 satellites
Last bar blank	No lock
Last bar yellow	2D lock
Last bar green	3D lock (WAAS)

## Status Light States

LED Status	Description
Steady on	Satellites acquired and outputting speed
Fast flash	Powered on and acquiring satellites
Slow flash	Device detected a fault
Off	No power to device

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