

AgGPS EZ-Steer Assisted Steering System

Affordable assisted steering upgrade for AgGPS EZ-Guide Plus

When it comes to simplicity and affordability the Trimble® AgGPS® EZ-Steer™ assisted steering system is **number one**.

More work, less fatigue

Now you can make your life easier in the field by transforming your AgGPS EZ-Guide® Plus lightbar guidance system by adding the EZ-Steer system and letting it do the steering for you.

The EZ-Steer system combines a friction wheel with the guidance from the EZ-Guide Plus lightbar and turns the steering wheel for you, greatly reducing fatigue. This allows you to focus on the things you should be focused on, such as your implement or spray booms, to improve job quality.

The EZ-Steer assisted steering system is ideally suited to tillage, spreading, spraying, and harvesting applications. For broadacre planting applications, use the EZ-Steer system with the EZ-Guide 252 system and OmniSTAR HP corrections.

Simplicity

The EZ-Steer system is easy to install, setup, and use. Installation can typically be completed in less than 30 minutes with one wrench. Setup only takes a minute—use the EZ-Guide Plus lightbar to enter vehicle dimensions and you are ready to go.

Once your AB or curved line is set up, press the engage button to start autosteering on the swaths. If you need to take control of the tractor steering—no problem. Turn the wheel and the EZ-Steer system will automatically disengage. It really is that simple!



Benefits

- Affordable, easy-to-install, easy-to-use
- Installs in minutes on any approved agricultural vehicle with power steering—no hydraulics involved*
- Reduces driver stress and fatigue
- Suitable for tillage, spreading, spraying, harvesting, and broadacre planting applications

Confidence

After a few minutes of use, you will have the confidence that the EZ-Steer system is accurately steering the tractor and reliably following the guidance path. Driver errors due to fatigue or distractions are eliminated.

Solution for all your fleet

If you have an older tractor or wish to have assisted steering on more than one vehicle, the EZ-Steer assisted steering system is a perfect solution. The system is easily installed on any approved agricultural vehicle* with a steering wheel and power steering. For inch accuracy, variable rate, or land leveling, upgrade your EZ-Steer system to the AgGPS Autopilot™ system.

Easy transfer

Additional low cost platform kits are available, making the EZ-Steer assisted steering system the easiest to transfer to other vehicles if required.

* Contact your local Reseller or check www.EZ-Steer.com to confirm that the EZ-Steer system has been tested and approved for your vehicle.

Trimble Agriculture—the line that everyone follows.



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Features

Hardware

- AgGPS EZ-Guide Plus lightbar (purchased separately)
- Electric motor with swivel mount
- Steering controller
- All required cabling
- Remote control with alarm function (optional)
- Quick Reference Card
- Wide range of steering column brackets (purchased separately)

Supported vehicle types¹

- Tractors
 - 2 wheel drive (including JD4000 series)
 - Front-wheel assist
 - 4WD articulated
- Sprayers
- Combines

Steering accuracy

- 6"-12" (15-30 cm) 15 min pass-to-pass accuracy² with EZ-Guide Plus lightbar with integrated GPS receiver
- 2"-4" (5-10 cm) 15 min pass-to-pass accuracy³ with AgGPS EZ-Guide 252 system

Patents

Protected under US patents:
6,501,422; 6,703,973; 6,198,992.
US patents pending.

Physical characteristics

Motor

Size 5" W × 4" H × 10.2" D
(127 mm W × 101 mm H × 259 mm D)
Weight 9 lbs (4.1 kg)
Power 12 VDC nominal, 16 VDC max
Operating temperature -4 to +140 °F (-20 to +60 °C)
Storage temperature -22 to +176 °F (-30 to +80 °C)
Sealing IP 40
Compliance FCC part 15 Class A

Controller

Size 8.9" L × 5.4" W × 1.5" H
(227 mm L × 136 mm W × 37 mm H)
Weight 1.2 lbs (0.55 kg)
Operating temperature -4 to +140 °F (-20 to +60 °C)
Storage temperature -22 to +176 °F (-30 to +80 °C)
Input Voltage Range 12 +/- 2.0 VDC operational, 16 VDC max
Operational Current 5 amps peak, <2 amps average
Compliance FCC part 15 Class A

Upgrade options

AgGPS Autopilot system

The AgGPS Autopilot DGPS, OmniSTAR HP or RTK systems provide fully featured automated steering with integrated IMU (Inertial Measurement Unit) and a range of smart display options.

AgGPS 252 receiver

The AgGPS 252 multi-function high-performance receiver is a rugged, all-in-one, smart antenna design. As part of the EZ-Guide 252 system, it offers farmers flexibility in choosing the accuracy level their crop requires, whether broadcast or row crop. The EZ-Guide 252 system can be used as an alternative to row markers for guidance during planting as well as other row and broadcast crop operations.

Specifications subject to change without notification.

1 Contact your local Reseller or check www.ez-steer.com to confirm that the EZ-Steer system has been tested and approved for your vehicle.
2 Cross track error over 15 minutes, 95% of the time, in US Midwest with at least 5 satellites, PDOP ≤ 6, SNR ≥ 6, Elev Mask = 8 using WAAS differential corrections. WAAS is a free service available in the US.
3 Cross track error over 15 minutes, 95% of the time, in US Midwest, speed < 7 mph, with at least 5 satellites, PDOP ≤ 6, SNR ≥ 6, Elev Mask = 8 using OmniSTAR HP corrections. OmniSTAR HP is a subscription based service.

Martens Farms

Farm Works Software, Precision Ag Equipment, Training

123farmworks.com/ezsteer.htm

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