

EZ-Steer™ Assisted Steering System

F A C T S H E E T



Work smarter, not harder!

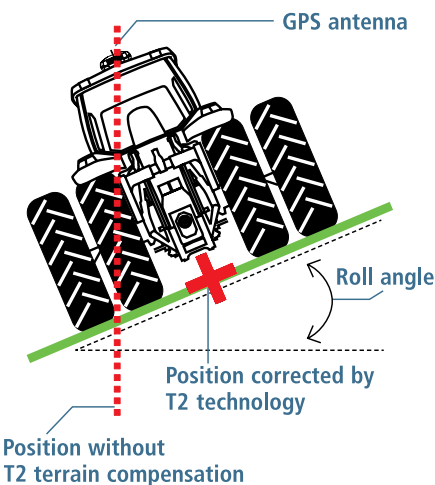
Remember when you thought power steering made your life easier? Just wait until you try assisted steering! Ag Leader's EZ-Steer assisted steering system does the work for you by automatically steering your vehicle through the field, allowing you to focus on other tasks such as implement performance or boom control, while greatly reducing driver fatigue. EZ-Steer uses guidance from either the EZ-Guide® 500 or EZ-Guide® 250 and automatically turns the steering wheel for you. The EZ-Steer system is perfect for tillage, spreading, spraying and harvesting operations. For higher accuracy applications such as planting, couple the EZ-Steer system with the EZ-Guide 500 and OmniSTAR® XP or OmniSTAR® HP™ differential corrections.

Simple and Affordable

The simplicity of EZ-Steer makes it the most affordable system on the market today. The Electronic Motor Drive (EMD) takes the complexity and expense of traditional hydraulic automated steering systems out of the equation. While other systems require you to integrate into vehicle hydraulic systems, the EZ-Steer system can be installed and transferred between vehicles by simple attachment to the steering column. Installation can be done in most in less than 30 minutes.

T2 Terrain Compensation Technology

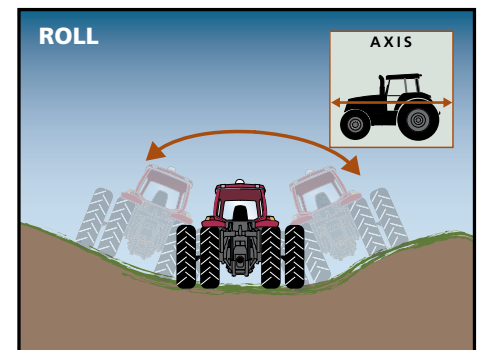
Improves accuracy when driving straight lines across sloping or rough terrain by minimizing skips and overlaps.



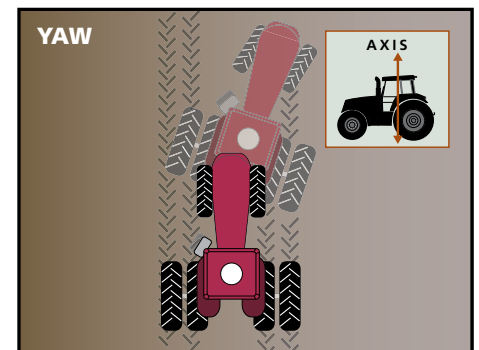
wheel and EZ-Steer will disengage, allowing you to turn into your next pass and repeat. You'll never believe how EZ it can be!

T2™ Terrain Compensation Technology

Ag Leader's exclusive T2 Terrain Compensation Technology give the EZ-Steer user +/- 6-8-inch pass-to-pass accuracy and smooth hands-free driving on rolling, sloping and rough terrain such as ditches, waterways and terraces. Even on flat, smooth ground the T2 Terrain Compensation Technology provides remarkable accuracy. This feature uses two accelerometers and two gyroscopes to compensate for roll and yaw. Information from these sensors, located in the steering controller, is updating at 10 times per seconds to compensate the GPS position for sloping and rough terrain – as illustrated by the diagrams.



Roll: Slopes and Bumps



YAW: Heading

Functional

While the EZ-Steer system is simple and inexpensive, it's certainly not lacking features. The EZ-Steer system is capable of performing both straight line and contour line guidance. The EZ-Steer system has it today! The benefits of assisted steering really shine when performing contour guidance in conjunction with the EZ-Steer system. It's as simple as driving your first pass and then sitting back and letting the EZ-Steer system take over the duties across the rest of the field. When you get to the end of the pass, simply turn the

EZ-Steer™ Assisted Steering System

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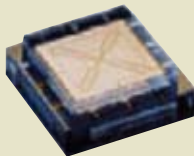


Sensors

With accelerometers and gyroscopes the slope and the change in slope can be accurately measured. The system measures a bump, such as ditches, rocks, or a change in hillside slopes, and then compensates the vehicles position accordingly. The gyroscopes and accelerometers that Ag Leader uses are very accurate and work in extreme temperatures.

Accelerometer

The accelerometer determines the angle of inclination by measuring the direction towards the center of the earth using gravitational pull. By measuring the direction to the center of the earth, the vehicle's tilt can be determined and the correct compensation factor applied to the GPS position.



Gyroscope

The gyroscope measures the speed that the angle changes. This is done by measuring minute oscillations of a silicon ring and then calculating the changes to the oscillations when the gyroscope is rotated around its axis.



Key Features

- ▶ Quick installation with no hydraulics involved.
- ▶ Compatible with most agricultural vehicles with power steering.
- ▶ 6-8-inch pass-to-pass accuracy with EZ-Guide 500 using the integrated GPS receiver.
- ▶ 2-5-inch pass-to-pass accuracy with EZ-guide 500 and integrated GPS receiver, using OmniSTAR XP/HP correction service.
- ▶ Suitable for tillage, spreading, spraying, harvesting and planting applications.
- ▶ T2 Terrain Compensation Technology.
- ▶ EZ-Calibration Wizard.
- ▶ Output GPS to data logging devices such as Ag Leader's InSight™ display.

Supported Vehicle Types

(500+ models and growing)

- ▶ Tractors
 - ▶ 2WD
 - ▶ Front-wheel assist (MFWD)
 - ▶ 4WD articulated
 - ▶ Tracked
- ▶ Sprayers
- ▶ Combines
- ▶ Floaters
- ▶ Trucks

See www.agleader.com/ez-steer.htm for specific models.



EZ-Steer Compatible with EZ-Guide 250 or EZ-Guide 500



EZ-Guide 250

The EZ-Guide 250 lightbar provides a simple interface to the EZ-Steer system. The

EZ-Guide 250 includes an integrated sub-meter GPS receiver using WAAS or EGNOS differential. With 15 LEDs and a 4.3-inch screen, the EZ-Guide 250 is an easy-to-use, entry-level lightbar ready to go to the field right out of the box.



EZ-Guide 500

The EZ-Guide 500 takes the EZ-Steer interface to the next level. It can be

purchased with an integrated GPS receiver using WAAS/EGNOS, or OmniSTAR XP/HP. The EZ-Guide 500 is also compatible with EZ-Boom, an economical application control system. The EZ-Guide 500 offers a simple and affordable solution that will take guidance to the next level.



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