

AgGPS EZ-Guide Plus Lightbar Guidance System

The affordable all-in-one GPS guidance system

When it comes to the bottom line, a Trimble® AgGPS® EZ-Guide® Plus lightbar guidance system reduces costs and maximizes productivity. An investment in the EZ-Guide Plus system typically pays for itself in just one season.

Innovative design

The EZ-Guide Plus lightbar is the first to combine crystal clear guidance LEDs, a sunlight readable graphic LCD screen and integrated GPS in a slim profile lightbar, which minimizes visual obstruction. These features give maximum operator feedback—the LEDs provide easy to follow online guidance day or night, and the LCD graphic screen assists with vehicle orientation and guidance during turns and curves.

Simplicity

Installation can be performed in minutes—learning the system takes just a few minutes more.

The entire system can be operated easily with just three buttons on the lightbar. The optional six button remote puts control at your fingertips if required.

Productivity and profitability

Using GPS guidance, you can drive faster than with conventional guidance methods. This results in lower labor costs per acre and frees up resources to be used for other tasks.

You can extend your operating hours to work when you need to, even at night or in heavy fog. And guidance with a lightbar reduces driver fatigue, increasing the overall safety of your operation.

Trimble Agriculture. The line everyone follows.



The EZ-Guide Plus system lets you apply material right the first time, eliminating skip and overlap. This avoids costly callbacks to remedy skips and reduces fuel and input costs.

Handy features

The EZ-Guide Plus system copes easily with gaps in your field such as access roads, using the innovative A+ pattern option. The integrated GPS receiver can output NMEA format GPS positions for applications such as planting, variable rate application, mapping, coverage display, and yield monitoring.

Expandability

The EZ-Guide Plus system is rugged, reliable, and fully expandable to meet your changing needs. It can be upgraded to work with the extremely affordable AgGPS EZ-Steer™ assisted steering system, or the AgGPS Autopilot™ DGPS or RTK automated steering system. To achieve four inch pass-to-pass accuracy use the optional AgGPS 252 receiver, ideal for row crop applications. Trimble has a time-proven upgrade option that lets you enhance your investment, not replace it.



Benefits

- Affordable, easy-to-use
- Improves productivity, efficiency, and profitability
- Provides reliable one-foot, pass-to-pass accuracy using free WAAS differential correction
- Automatic swath advance for straight, curve, and pivot patterns
- Graphic LCD screen for intuitive turn and curve guidance
- Fully expandable for future needs, including automated steering and mapping
- Diagnostics screens permit easy field support



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Features

Lightbar

- 35 LEDs for guidance
- 160 × 120 pixel graphic LCD screen
- Variable brightness
- Suction cup for fast window mounting
- Integrated GPS receiver or external AgGPS receiver

Integrated GPS receiver (optional)

- 12-channel DGPS receiver
- Positioning based on high-performance GPS engine design
- EVEREST™ multi-path rejection technology
- 6 to 12 inch (15 to 30 cm) pass-to-pass accuracy¹

EZ-Guide antenna

- High quality antenna resistant to interference
- 26 ft (8 m) antenna cable
- Magnetic mount and mounting plate for easy installation
- Slim profile for improved obstruction clearance

Accessories

- Quick Reference Card and Getting Started Guide
- Optional six-button remote with integrated alarm
- Alarm function (requires remote or external alarm)
- Optional switch input and radar speed pulse output cable

Guidance patterns

- A-B parallel guidance with optional headlands warning
- A+ parallel guidance (retains previous heading)
- Curved guidance parallel to either the last curve driven or the original curve
- Headland circuits with straight A-B parallel guidance inside the headlands
- Center-pivot guidance

Other features

- Ergonomic mounting options to enhance driver comfort
- Invertible display provides flexible mounting options
- Automatic swath advance for straight, curve, and pivot patterns
- Coverage area calculation
- Vehicle path display
- Speed pulse output
- Pause/resume
- User-definable swath width and LED spacing
- US or Metric units
- Perspective and plan view map
- Multiple status text options
- NMEA output for other applications such as yield monitoring
- On-board GPS diagnostics
- English, Spanish, Portuguese, French, German, and Italian languages

Physical characteristics

Lightbar

Size	9.8 in W × 4.5 in H × 5.4 in D (24.9 cm W × 11.4 cm H × 13.7 cm D)
Weight	2.6 lb (1.2 kg)
Power	9 to 36 VDC
Operating temp	+32 °F to +122 °F (0 °C to +50 °C)
Storage temp	-4 °F to +176 °F (-20 °C to +80 °C)
Casing	Die-cast aluminum sealed to IP 65
Screen	120 × 160 pixel, transfective monochrome, scratch-resistant, anti-glare lens
GPS Update Rate	5 Hz

EZ-Guide antenna

Size	.6 in diam. × 2.2 in max depth (15.2 cm × 5.7 cm)
Weight	13.125 oz (0.372 kg)
Operating Temperature	-40 °F to +158 °F (-40 °C to +70 °C)
Storage Temperature	-58 °F to +176 °F (-50 °C to +80 °C)
Humidity	100% humidity proof, fully sealed

Upgrade options

AgGPS EZ-Steer assisted steering system

The AgGPS EZ-Steer assisted steering system combines the guidance from the EZ-Guide Plus lightbar with an electric motor drive and friction wheel in order to steer the agricultural vehicle.

AgGPS EZ-Map software

AgGPS EZ-Map software turns your EZ-Guide Plus lightbar into a useful record-keeping system.

AgGPS 170 Field Computer

The AgGPS 170 Field Computer turns your EZ-Guide Plus system into the ultimate field information management solution.

AgGPS Autopilot system

The AgGPS Autopilot DGPS or RTK system turns your EZ-Guide Plus system into the ultimate automated steering system.

Patents

Protected under U.S. patents:

5,311,149 5,369,589 5,987,383 6,252,863 5,402,450 5,819,539
5,493,588 6,463,374. US Patents pending.

¹ Cross track error accuracy over 15 min, 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.

Specifications subject to change without notice.

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See the EZ-Guide Plus interactive demonstration at: www.ez-guide.com

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