

AgGPS EZ-Guide SL *Lightbar Guidance System*

Key Features and Benefits

- Affordable, easy-to-use
- WAAS-ready for precise, free DGPS positions
- Straight and curved swath patterns
- Saves time and money for any operation
- Trimble designed and manufactured
- Fully expandable for future needs

When it comes to the bottom line, a GPS parallel swathing system reduces costs and maximizes productivity. The AgGPS® EZ-Guide™ SL Lightbar Guidance System is the perfect tool for the job. This affordable system offers the exceptional accuracy and reliability for which the Trimble AgGPS brand is renowned. EZ-Guide is an investment that starts paying for itself right from day one in any operation.

Simplicity

The EZ-Guide system comprises a GPS smart antenna, a lightbar, and a remote keypad that can be mounted anywhere in the cab. The lightbar has a crystal-clear display with a slim profile, to minimize in-cab real estate. Installation can be performed in minutes—learning the system takes just a few minutes more.

Efficiency

EZ-Guide lets you apply material right the first time, eliminating skip and overlap. An end-zone LED and audible alarm warn you when you are approaching your spray boundary, allowing you to precisely control how and where you apply. The system also supports odd-shaped fields by defining a custom headland zone.



AgGPS EZ-Guide SL Parallel Swathing System

Productivity

With GPS guidance 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.

Free, Precise Differential GPS

The free WAAS differential correction service covers the USA. With this or an optional satellite DGPS subscription, rest assured that the EZ-Guide system will deliver precision guidance all the time.

Handy Features

The EZ-Guide system copes easily with gaps in your field such as access roads. The innovative A+ guidance pattern lets you start a swath anywhere while maintaining one orientation for your field. The system also provides acreage

calculation on the fly, and a pause feature so you can leave the field and navigate back later.

The AgGPS 110 receiver can also act as a sensor for any application that requires GPS positions, such as yield monitoring. It is configured to work directly with any device capable of receiving NMEA messages.

Expandability

Trimble safeguards your investment by building rugged hardware that lasts.

The EZ-Guide system is rugged, reliable, and fully expandable to meet your changing needs. Whether it be as-applied mapping, soil sampling, flow control, or variable-rate management, Trimble has a time-proven upgrade option that lets you enhance your system, not replace it.

AgGPS EZ-Guide SL

Lightbar Guidance System

Features

Hardware

- AgGPS 110 GPS receiver:
 - Completely self-contained in a tough plastic housing
 - 12-channel DGPS receiver
 - Positioning based on high-performance GPS engine design
 - Sub-meter HRMS static differential accuracy*
 - 10-30 cm (4"-12") RMS 15 min pass-to-pass accuracy*
 - Magnetic mount
- Dash or ceiling mounted lightbar:
 - 35 LEDs for guidance
 - Dedicated headlands-approach LED
 - Eight-character text display
 - Variable brightness
 - Suction cup for secure mounting on most surfaces
- Six-button controller
- All required cabling
- Quick reference card and Menu structure card

* At least 5 satellites, PDOP \leq 6, SNR \geq 6, Elev Mask = 8 using WAAS or L-Band (OmniStar or Thales) differential correction services. WAAS is a free service available in the US, L-Band services require a subscription.

Guidance Patterns

- A-B parallel guidance with optional headlands warning
- A+ parallel guidance (retains previous heading)
- Curved parallel guidance. This pattern can also be used for spiral or center pivot guidance
- Headland circuits with straight A-B parallel guidance inside the headlands

Other Features

- Rugged, time-proven hardware designed for demanding hardware environments
- Ergonomic mounting options to enhance driver comfort
- Pause/resume guidance
- Headlands support
- On-the-fly acreage calculation
- User-definable swath width
- US or Metric units
- Automatic or manual swath increment control
- User-definable LED spacing
- Audible alarm for off-swath alert and headlands crossing (may be detached)
- Multiple display options:
 - Swath number and cross-track error
 - Swath number and speed
 - Heading and speed
- Configurable look-ahead turn prediction
- NMEA output for other applications such as yield monitoring
- Configurable English, Spanish, Portuguese display

Physical Characteristics

GPS Receiver

Size:	6" diam. X 5" H (152 mm diam. X 127 mm H)
Weight:	22 oz. (0.62 kg)
Power:	3.1 W, 9 to 32 watts
Operating Temp:	-30°C to +60°C (-22°F to +140°F)
Storage Temp:	-40°C to +80°C (-40°F to +176°F)
Humidity:	100% condensing
Casing:	UV-resistant plastic
Compliance:	FCC Class B, CE
Time to First Fix:	<30 seconds, typical

Lightbar

Size:	9" W x 3" D x 2.5" H (230mm W x 75mm D x 64 mm H) with mounting bracket
Weight:	16 oz. (0.45kg)
Power:	1.2W (max), 9 to 36 VDC
Operating temp:	-20°C to +65°C (-4°F to 149°F)
Storage temp:	-30°C to +75°C (-22°F to 167°F)
Humidity:	95% non-condensing
Casing:	Cast aluminum, polycarbonate non-scratch lens, dust proof, splash resistant, shock resistant

Upgrade Options

AgGPS EZ-Map

AgGPS EZ-Map software turns your EZ-Guide system into a useful record-keeping system with coverage and track logging, field mapping, soil sampling, and data logging capabilities.

AgGPS 160 Portable Computer

The rugged AgGPS 160 Portable Computer turns your EZ-Guide system into a productive field management system, with enhanced guidance, field mapping, soil sampling and data logging capabilities, using a daylight-readable monochrome screen.

AgGPS 170 Field Computer

The AgGPS 170 Field Computer turns your EZ-Guide system into the ultimate field information management solution, with enhanced guidance and powerful record-keeping, field mapping, flow monitoring, variable rate management, and soil sampling capabilities, using a daylight-readable color screen.



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