

AgGPS 162 RECEIVER



AUTOPILOT READY

Use the AgGPS® 162 receiver with AgGPS Autopilot™ automated steering system for hands free farming.

FUTURISTIC ERGONOMICS

New rugged design enables smooth obstruction free installation and operation.

PORTABLE

Combined GPS/DGPS Receiver and antenna in a single rugged housing and a simple, strong magnetic mount.

AgGPS ONPATH® ADVANCED FILTER TECHNOLOGY

Improved pass-to-pass accuracies even without SBAS corrections.

LED

2 status LEDs.

RADAR SPEED OUTPUT

WAAS/SBAS COMPATIBLE

Uses free SBAS (WAAS, EGNOS, MSAS) differential correction signals.

NEW – TRANSCEND™ POSITIONING TECHNOLOGY

Trimble proprietary positioning technology provides users with high accuracy and a flexible solution for the most challenging applications and environments. This technology is shared across multiple Trimble platforms from current lightbars and GPS receivers to next generation GNSS products.



PRODUCT FEATURE	AgGPS 162 RECEIVER
Signal tracked	L1, SBAS (WAAS, EGNOS, MSAS)
Maximum number of satellites tracked	12 + 3 SBAS
DGPS accuracy	± 8–12 inch pass-to-pass
Position fix update rate (sec)	1 Hz, 5 Hz, 10 Hz
Cold start	< 2.5 min
Warm start	< 30 s
Re-acquisition	< 5 s
NMEA messages	ALM, GGA, GLL, GSA, GSV, PTNLID, RMC, VTG, ZDA, GRS, GST, GGK, PTNLSM
Antenna type	L1 GPS
Baud rate	4,800–115,200
Size (W x H x D)	7.2 x 3.5 x 7.5 inch
Weight	1.5 lb
Power consumption	< 4 Watts (10 to 16 V DC)
Operating temperature	-22 °F to +149 °F (-30 °C to +65 °C)
Storage temperature	-40 °F to +185 °F (-40 °C to +85 °C)
Casing	Waterproof, shock-resistant, and dustproof
Connectors	One Deutsch 12-pin
Number of ports	Three
Port type	Two RS-232, one ISO, 11783/J1939 (CAN 2.0B)
Mounting	One 5/8 inch threaded mounting hole, three integrated magnets for mounting directly to steel surface
Compliance	FCC Class A, CE, e-mark

Note: Cross-track error accuracy over 15 min, 95% of the time, in US Midwest with at least 5 satellites, PDOP ≤ 6, SNR ≥ 40, Elevation Mask = 8 using WAAS differential corrections. WAAS is a free service available in the US. Specifications subject to change without notice.



Trimble Agriculture. The line everyone follows.

AgGPS 262 RECEIVER



TRIMBLE RTK

The Trimble RTK engine promises +/- 1 inch ppm accuracy over an 8 mile radius, providing users greater range and reliability.

ACCURACY TYPES

Choose the GPS correction method and accuracy level required for your farming operation whether broadacre, tillage, or row crop with repeatable year-to-year row crop operation.



SUITS A VARIETY OF APPLICATION NEEDS

Provides GPS input to the Autopilot system or other precision agriculture products that require GPS input such as yield monitors and variable rate controllers.

RADAR SPEED OUTPUT

NEW – TRANSCEND POSITIONING TECHNOLOGY



Trimble proprietary positioning technology provides users with high accuracy and flexible solutions for the most challenging applications and environments. This technology is shared across multiple Trimble platforms from current lightbars and GPS receivers to next generation GNSS products.

ALL-IN-ONE, LOW PROFILE SMART ANTENNA DESIGN

Very portable unit designed for easy transfer from one vehicle to another.

PRODUCT FEATURE	AgGPS 262 RECEIVER
Signal tracked	L1 and L2, C/A- code and carrier phase filtered measurement, L-Band DGPS
Maximum number of satellites tracked	12 + 1 L-Band
DGPS accuracy	Submeter DGPS (SBAS, OmniSTAR VBS), +/- 3-5 inch OmniSTAR XP, +/- 2-4 inch OmniSTAR HP, +/- 1 inch RTK
Position fix update rate (sec)	1 Hz, 5 Hz, 10 Hz
Cold start	< 2.5 min
Warm start	< 30 s
Re-acquisition	< 5 s
NMEA messages	GGA, GGL, GRS, GST, GST, GSA, GSV, MSS, RMC, VTG, ZDA, XTE
Antenna type	Combo L1/L2 L-Band DGPS
Baud rate	4,800–115,200
Size (W x H x D)	11.7 x 2.73 x 12.05 inch
Weight	4.4 lb
Power consumption	4.2 W, 350mA (10 to 16 V DC)
Operating temperature	-22 °F to +149 °F (-30 °C to +65 °C)
Storage temperature	-40 °F to +185 °F (-40 °C to +85 °C)
Casing	Low profile UV-resistant plastic, dust-proof, shock-resistant, waterproof with recessed protected connectors
Connectors	Two Deutsch 12-pin
Number of ports	Five
Port type	Three RS-232, Two ISO, 11783/J1939 (CAN 2.0B)
Mounting	Three holes for 0.39 inch (10 mm bolts)
Compliance	FCC Part 15 Class B, C-Tick, e-mark, CE

Note: Cross-track error accuracy over 15 min, 95% of the time, in US Midwest with at least 5 satellites, PDOP ≤ 6, SNR ≥ 40, Elevation Mask = 8 using WAAS differential corrections. WAAS is a free service available in the US.

Specifications subject to change without notice.

www.trimble.com/agriculture

© 2009-2010, Trimble Navigation Limited. All rights reserved. Trimble, the Globe & Triangle logo, AgGPS, and OnPath are trademarks of Trimble Navigation Limited, registered in the United States and in other countries. Autopilot, and Transcend are trademarks of Trimble Navigation Limited. All other trademarks are the property of their respective owners. PN 022503-566A (03/10)

Trimble Agriculture Division
10355 Westmoor Drive, Suite 100
Westminster, CO 80021 USA
+1-913-495-2700 Phone
+1-800-865-7438 Phone (US Toll Free)

