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AgGPS RTK Base 900 and 450 Receivers

What are the AgGPS RTK Base 900 and 450 receivers?

The Trimble® AgGPS® RTK Base 900 and 450 receivers provide corrections that enable one inch pass-to-pass and year-to-year accuracy for agricultural vehicles that are using the AgGPS Autopilot™ automated steering system. These base stations have:

- A 24-channel GPS receiver with integrated 900 or 450 MHz transmit radio
- A built-in 10 hour battery for field operation or for backup power when used as part of an RTK base station network
- Simple setup with a minimum of cables

The receiver simply connects to a GPS antenna and is either permanently mounted for a network solution, or is quickly and easily mounted on the specially designed Trimble tripod.

Which Trimble products do the AgGPS RTK Base 900 and 450 receivers work with?

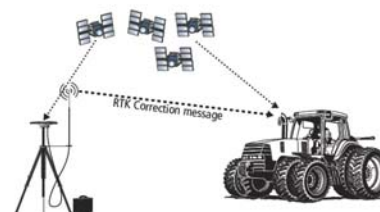
For the receiver to provide corrections to enable one inch pass-to-pass year-to-year accuracy, the farm vehicle requires:

Required component	Options
Guidance system	– AgGPS Autopilot automated steering system
GPS receiver	– AgGPS 252 RTK-enabled GPS receiver – AgGPS 332 RTK-enabled GPS receiver

The AgGPS RTK Base 900 and 450 receivers work with the AgGPS 252 and 332 to enable accurate positioning for all Topo Mapping applications.

What is RTK?

RTK is a highly precise technique that results in one inch pass-to-pass and year-to-year accuracy. RTK GPS requires two specialized GPS receivers and two radios. One GPS receiver is set up as a base station within a 6 mile (9.6 km) radius of the field you are working so it can send the correction message to the roving receiver. Both receivers collect extra data from the GPS satellites known as L2 Band, that enables this better precision.



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Do the MS750 GPS receiver and SiteNet 900 radio work in the same network as the AgGPS RTK Base 900 and 450 receivers?

Yes, the AgGPS RTK Base 900 and 450 receivers deliver RTK corrections in the same network as the MS750™ GPS receiver and the SiteNet™ 900 radio. Vehicles equipped with Trimble AgGPS 252 and 332 receivers can obtain corrections from these base stations.

How many vehicles running RTK radios do the AgGPS RTK Base 900 and 450 receivers support at any one time?

The AgGPS RTK Base 900 and 450 receivers both support an unlimited number of RTK-enabled vehicles, due to the internal radio in the AgGPS RTK Base solution. The internal radio broadcasts corrections that can be received by any number of receivers.

Can I use the AgGPS RTK Base 900 and 450 receivers with my existing Trimble AgGPS RTK solution?

The AgGPS RTK Base 900 and 450 receivers transmit corrections to RTK-enabled AgGPS 252 and 332 receivers that have the following firmware:

Trimble product	Firmware version
AgGPS 252 receiver	3.1 or later
AgGPS 332 receiver	3.1 or later
AgGPS 900 radio	1.44a or later
SiteNet 900 radio	2.74 or later
AgGPS 450 radio	Any
SiteNet 450 radio	Any

To obtain the latest firmware, contact your local Trimble reseller.

Note: *The Trimble Ag214 Receiver will not accept corrections from the AgGPS RTK Base 900 and 450 receivers*