

AgGPS EZ-Boom 2010 Automated Application Control System

Cut farm input costs immediately using the AgGPS® EZ-Boom™ 2010 automated boom switching and spray rate controller system for your next field application. Now, using GPS up to ten boom sections can be automatically turned on and off to avoid overspray and untreated gaps on end rows—resulting in more precise application for all field work and less demands on the operator when navigating headlands, waterways, and other demanding driving situations.

AUTOMATED BOOM SWITCHES

Ten user defined boom sections use GPS positions from the AgGPS EZ-Guide® Plus lightbar or the AgGPS Autopilot™ system to automatically detect boom sections that need to be turned on or off for precise coverage. The ten switches can also be used for manual control of boom sections.



RATE SWITCHES

- The R1 and R2 switches can be set to predefined rates so when changing from one application to another it's just a flick of the switch to change the application rate.
- Using the manual switch holds the current flow independent of speed and the number of open boom sections, this can be used when necessary at the end of rows.
- With the **+** and **-** switch you can increase or decrease the current application rate when your field requires a quick change.

GPS INPUT

The EZ-Boom 2010 system uses GPS to measure the speed and position of the vehicle which determines the flow rate and the on-off boom switching. As with all Trimble guidance and automated steering systems you simply need to decide the accuracy your farming operation requires.



CONNECTORS

- One cable connects the EZ-Boom 2010 system to the EZ-Guide Plus lightbar or the FieldManager display.
- Another cable connects the EZ-Boom 2010 system directly to most existing flow meters and valves, so the EZ-Boom system is simple to *plug and play* into your sprayer system—adding automatic boom switching all in the same box! (See over page for configuration diagrams).



DISPLAY OPTIONS

EZ-GUIDE PLUS LIGHTBAR

With the EZ-Boom 2010 system you have the option of using your existing EZ-Guide Plus lightbar to provide simple real-time visual feedback of the area you are covering and what booms are currently on and off. Of course the EZ-Guide Plus system will also keep you online with the bright LED lightbar, or with hands-free steering connected to the EZ-Steer® system.



AgGPS FIELDMANAGER DISPLAY

With the EZ-Boom 2010 system the AgGPS FieldManager™ display will provide advanced color coded real-time visual feedback of the area you are covering and what booms are currently on and off, all the while logging this data to the CompactFlash card for later use. Of course coupled with the Autopilot system you will get sub-inch automated guidance.



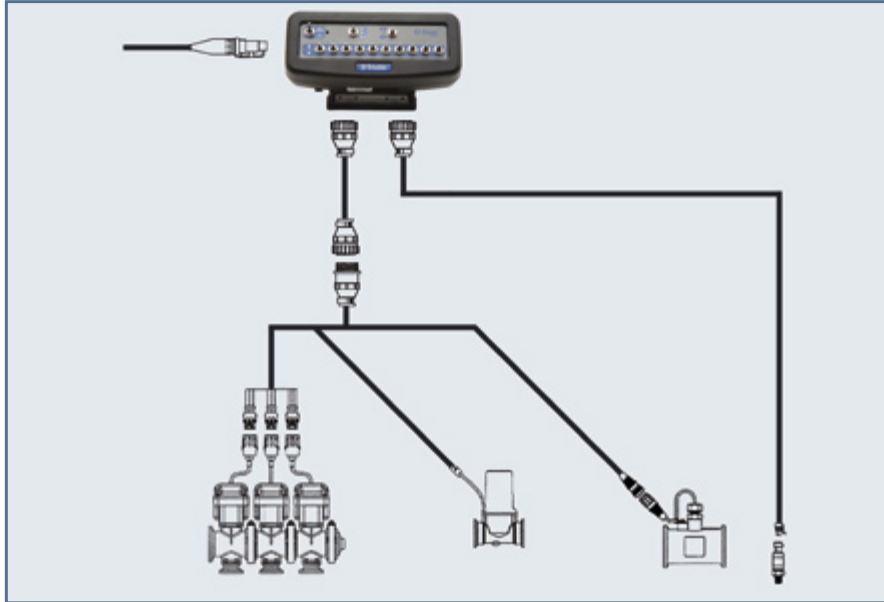
PRESCRIPTION RATES

When using the FieldManager display the system will automatically log data, providing as-applied mapping and also allows farmers to import variable rate prescriptions to use when required.

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USING THE EZ-BOOM 2010 SYSTEM AS AN AUTOMATED BOOM SWITCHING AND SPRAY RATE CONTROLLER

In the diagram below the EZ-Boom 2010 system is simply plugged into your existing sprayer harness adding up to ten automatic boom section controls and application rate control using GPS.



USING THE EZ-BOOM 2010 SYSTEM WITH AN EXISTING RATE CONTROLLER

In the diagram below the EZ-Boom 2010 system is connected to both the existing rate controller and the sprayer harness. In this scenario the EZ-Boom system will automatically control the boom sections to avoid overlap, and the existing rate controller will continue to adjust the application rate.

