



RiteHeight upgrade options

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The new RiteHeight Generation 4 system offers users many important advantages compared to older RiteHeight systems. The main differences are:

1. The Self-Calibration process is much improved. While the process runs during initial set-up of a new system, Self-Calibration “learns” more of the sprayers’ characteristics over a longer time than before, thereby providing a more optimal result requiring less fine-tuning by the end-user.
2. New sensors allowed a design which provides three distinct operating modes: Bare Ground, Partial Canopy, and Full Canopy. The operator chooses according to conditions. With previous systems, the operator had to experiment with sensor sensitivity adjustments to achieve optimum performance. This is no longer needed.

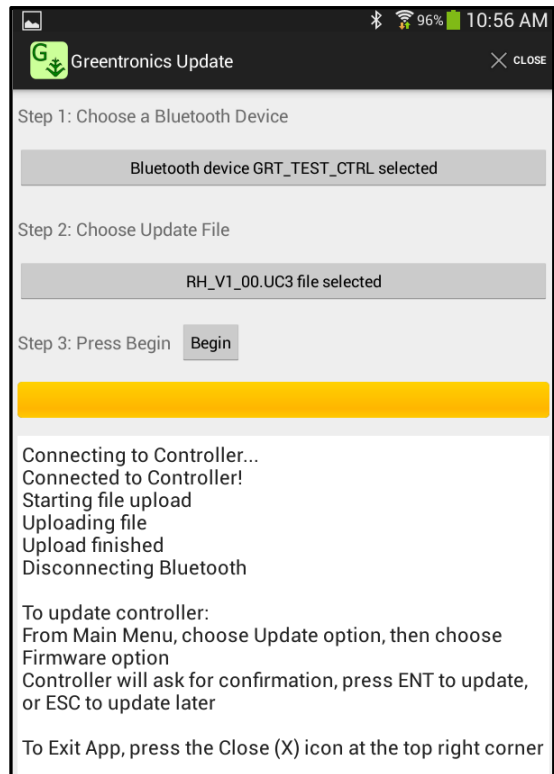


3. Pictures of the new sensor and housing. Housing style and mounting brackets allow more flexibility for positioning the sensor on the boom.
4. The new sensors are more powerful giving them a longer range. This results in fewer “Out of Range” messages compared to previous generations.
5. Sensors are mounted in all-stainless steel low-profile housings. These are easily fitted to sprayer booms but also fit in more confined applications, e.g. headers on combines or swathers, other equipment.

6. The new RH430 system offers optional ISOBUS compatibility. ISOBUS compatible Controllers can be connected to VT (Virtual Terminal) capable displays in tractors and



sprayers. The RiteHeight menu system will be accessible on the VT and can be used to operate and configure the RiteHeight system. Often, such VTs have large touch screens offering viewing and operating convenience. This also means the RiteHeight Controller



will not need to be within arms' reach of the operator and can be stored out of the way. The ISOBUS option can be "unlocked" with a key code. The key code must be purchased. The connecting cable will be required as well. The picture below shows the Controller with the new ISO connector in the middle.



7. In the past, when new firmware upgrades became available, users had to return the Controller to Greentronics to have the new firmware installed. The new RiteHeight Controller contains a Bluetooth chip. Firmware on the RH430 Controller can be upgraded by obtaining the upgrade file from Greentronics and uploading it on the Controller via android App and Bluetooth connection between your smartphone or tablet and the RiteHeight Controller.

Since Generation 4 is better than the older systems, Greentronics would like to see customers taking advantage of the improvements. Two types of upgrade kits are available. Depending on the type, an upgrade kit will include a new Interface Box, new software on the Controller or a whole new Controller, and two or more new sensors with cables. Customers who want an upgrade will need to place the order and return the original Interface Box, the original sensors with sensor cables and the original Controller. The other cables can stay with the machine.

The part numbers for the upgrades are RH400UPG or RH430UPG

If the customer has a system with more than two sensors, he can return the others as well and we will include as many new sensors as he sends us original sensors..

Customers with RH300 can upgrade to RH400 by ordering part number RH400UPG. Their original Controller can be used again. It will be updated with the new RH400 firmware.

Some very early versions of the RH300 and all of the older RH200 systems have Controllers that cannot be upgraded. In those cases, customers will need to upgrade to the RH430 with part number RH430UPG. They will have the opportunity to purchase the new Controller with optional ISOBUS compatibility locked or unlocked. To have the option unlocked, customers should order item number RH-ISO

Customers with RH300 interested in the optional ISOBUS compatibility can also upgrade to RH430 by ordering RH430UPG + RH-ISO. We will send the new Controller with the ISOBUS feature unlocked and include the required cable.

We will not send out an upgrade kit before we receive the original parts.

We cannot offer an early order discount on orders for upgrades. All pricing is in Canadian currency, f.o.b. Elmira, ON. Shipping costs for returning original parts to Greentronics are the responsibility of the customer or dealer.

Note: To date, the ISOBUS compatibility has been tested and confirmed with JD2630, Outback MAX, Ag Leader Versa and Integra (now called the 800 and 1200), Trimble FMX and TMX, and some displays from Mueller and TeeJet.

The RH430 firmware is in-field upgradable via android App. The flow chart below shows how this works. The operator/installation manual also has a description of the various steps. The App is available at the Google App store. Firmware update files can be emailed to you. New firmware will be available as we continue development and improve features. In the future, we may make any “free” updates available under the Dealer Tab on our web site.

Greentronics Firmware Update Process

