

Instructions for SRM Bootloader Update

DO NOT PREFORM THIS UPDATE UNTIL YOU HAVE FULLY READ THE INSTRUCTIONS BELOW. IF YOU ARE NOT COMFORTABLE PREFORMING THIS UPDATE CONTACT YOUR PRECISION PLANTING DEALER OR PRODUCT SUPPORT FOR ASSISTANCE.

This update should only be made on SRM systems with serial numbers below 60,000 experiencing one or more of these issues:

- Daisy chain breaks or grounds that move on startup
- SRMs missing on startup
- Some devices on the CAN network not detected at initial startup but all devices detected once modules are reset

There are two routes to conduct this update: have a spare Gen 2 display with the necessary files loaded or load the files onto the customer's Gen 2 directly. Using a spare Gen 2 is required if the grower has a Gen 3 20|20 installed in the cab and is recommended if multiple growers require the update. This fix requires a Gen 2 to complete.

Step 1:

Download the two hex files that you receive from Product Support onto an otherwise empty USB drive. Unzip the folder and move the two HEX files to the root directory of the USB.

Step 2:

Disconnect all components from the SRM except for the 12-pin (DeltaForce, vDrive, SpeedTube, seed tube sensor, down force sensor, etc.)

Step 3:

Power down the display, and move the CAN terminator to the end of the first backbone harness.

Step 4:

Insert the USB containing the software update and bootloader update files into the display and power it on. DO NOT CYCLE POWER for any reason while the SRMs are processing the update. Doing so will permanently disable the SRMs.

Note: When the display is booting up, you will get a prompt “Please remove the USB to continue.” If you do not get this prompt, then the display did not detect the bootloader files and the update will not work.

Step 5:

When SRMs are updated, power down the display, and move the terminator to the end of the second backbone.

Step 6:

Power the Gen 2 on again.

Note: You do not need to reinstall the USB. The Hex files are still loaded to the display.

Step 7:

When SRMs are updated, repeat the above process exactly as you move the terminator to the end of each backbone in succession until all backbone sections have updated.

Step 8:

If using the grower's Gen 2 display, reinstall software to remove the hex file (can be any version compatible with the products on the planter, including 2017.4).

Step 9:

If the grower has a Gen 3, reconnect the Gen 3 to the harnessing in the cab and power on to continue planting.

Step 10:

If using a spare Gen 2, update software to any version once you have completed the SRM bootloader update for any required customers to remove the hex file.

Step 11:

Remove the hex file from the USB to prevent accidentally loading it onto another display later

Contact Product Support with any questions.