SSC5100ex Gen 2 Features Comparison

Feature	Firmware Version				
	1.9	2.0	2.1	2.2	2.4
• In the Remote Controls Data menu for 5150 JS units 1.2 and above and Remote 5100ex Operator Interfaces 1.4 and above the serial number and version number will be displayed. • Added new mode for VariTech Application.					X
• Fixed issue where the spinner output would incorrectly turn on when auger reverse is set to selector and parent was set to auger.				X	X
• Resolved an issue where the input state remained active when the Remote Joystick or Operator Interface lost connection.			X	X	X
• Resolved an issue where large prewet rates would not display properly. • Resolved an issue where an incorrect error message was being displayed when the blast button was stuck on startup.		X	X	X	X
• Improved (decreased) the response time when activating the external inputs.	X	X	X	X	X

5100ex Gen 2 Change Log for Stable Releases

5100ex Spreader Control Software (2.4), Released 2026-10-27

New Features:

- In the Remote Controls Data menu for 5150 JS units 1.2 and greater and Remote 5100ex Operator Interfaces 1.4 and above the serial number and version number will be displayed.
- Added new mode for VariTech Application.

5100ex Spreader Control Software (2.2), Released 2026-09-30

Issues Resolved:

- Fixed issue where the spinner output would incorrectly turn on when auger reverse is set to selector and parent was set to auger.
- Fixed issue where an operator interface error could falsely occur on startup.
- Fixed issue where the backlight could be fully off due to corrupt operation settings.

5100ex Spreader Control Software (2.1), Released 2026-02-27

Issues Resolved:

- Resolved an issue where the input state remained active when the Remote Joystick or Operator Interface lost connection.

5100ex Spreader Control Software (2.0), Released 2026-02-26

Issues Resolved:

- Resolved an issue where large prewet rates would not display properly.
- Resolved an issue where an incorrect error message was being displayed when the blast button was stuck on startup.

5100ex Spreader Control Software (1.9), Released 2026-01-13

Issues Resolved:

- Improved (decreased) the response time when activating the external inputs. The response time is now closer to the response time of Gen 1 systems.

5100ex Spreader Control Software (1.8), Released 2025-12-04

New Features:

- Added support for J1939 Speedometer messages as a source of the speedometer input, requires PN 1190304 for connecting the spreader control to the vehicle's J1939 communication bus.
- Added support for the overspeed alarm with adjustable alarm level as well selectable option for when the alarm can be activated.

Issues Resolved:

- Resolved an issue that was causing the spreader control to experience random TLB Reset error messages as well as reset the spreader control.
- Resolved an issue where the spinner bar and text would not always display the proper values on started until adjusted.
- Added missing items to the calibration file text printout.

5100ex Spreader Control Software (1.7), Released 2025-10-01

Issues Resolved:

- Resolved an issue that may cause the saving of the data on shutdown of the system to be interrupted before it was completed. This would produce data corruption and improper save messages on the next power up.

5100ex Spreader Control Software (1.6), Released 2025-05-28

Issues Resolved:

- Resolved an issue with the reporting of the active lanes for anti-ice application in the even string.

Other Changes:

- Added support for the 5150JS system.
- Updated the error messages associated with the remote operator interface to reference OI (Operator Interface) to help distinguish these errors from the new errors associated with the 5150JS system.

5100ex Spreader Control Software (1.5), Released 2025-03-03

Issues Resolved:

- Resolved an issue where the system would continuously restart if a stuck switch was detected on switch 2A, 2B, 3A or 3B on the head unit when in of the joystick was not centered at startup on a 5100 Remotes unit when in 5150 or Force ONE mode.
- Added support to suppress the open circuit detection with direct operation when the direct PWM output is used to run something other than a hydraulic coil. This added a new calibration item for the direct drive type similar to that used with prewet.

Other Changes:

- Changed the default PWM Frequency to 100 Hz.

5100ex Spreader Control Software (1.4), Released 2024-09-13

Issues Resolved:

- Resolved an issue that caused the WDT error to occur when exporting calibration settings.
- Resolved an issue where the upgrade beep would continue to sound on a failed upgrade.

Other Changes:

- Changed the default max duty cycle for spreader outputs (Auger Fwd/Rev, Cross 1/2, Prewet, Spinner 1/2, and direct) to 50%.
- Improved the file selection in the import calibration screens to only allow for the selection of valid items and not blank entries.

5100ex Spreader Control Software (1.3), Released 2024-06-05

Other Changes:

- All features equivalent to the 5100ex Gen1 system, firmware version 4.9.

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