GreenStar™ Displays

Software Update 22-3 Release Notes
3.36.1073

Software Versions

The items in this chart are included in this software bundle. Bold items have changed from previous releases with either new feature enhancements or resolved items. Please contact your John Deere dealer to update controllers not included with this software bundle.

Version #	Description
3.36.1073	GreenStar™ 2630 Display
2.8.1033	GreenStar™ 2100/2600 Display
2.15.1096	GreenStar™ 1800 Display
GSD 1.97 B	Original GreenStar™ Display
GR7 6.50 G	**StarFire™ 7000 Receiver**
GR6 4.60 H	StarFire™ 6000 Receiver
ITC 2.80 S	StarFire™ 3000 Receiver
ITC 3.73 H	StarFire™ iTC Receiver
LCR 1.10 C	StarFire™ 300 Receiver
SF 7.70 B	StarFire™ Gen II Receiver
1.10A	Machine Communication Radio
TCM 1.09 A	TCM
2.71 Z	Application Controller 1100 (iGrade™, Active Implement Guidance, Distance Trip) (S.N. PCXL01B100000 – PCXL01B200999)
1.51 Y	Application Controller 1120 (Yield Documentation Specialty Crop, Mobile Weather, Harvest Identification, Cotton) (S.N. PCXL02B100000 – PCXL02B200999)
3.20 A	Application Controller 1100 (iGrade™, Active Implement Guidance, Distance Trip) (S.N. PCXL01C201000 -)
3.20 A	Application Controller 1120 (Yield Documentation Specialty Crop, Mobile Weather, Harvest Identification, Cotton) (S.N. PCXL02C201000 -)
ATU 1.13 A	AutoTrac™ Universal 100
ATU 2.30 A	AutoTrac™ Universal 200
ATU 3.24 S	**AutoTrac™ Universal 300**
RG2 2.04 B	AutoTrac™ RowSense™ – Universal
CAT 1.11 B	AutoTrac™ Controller (Deere)
ATC 3.24 S	**AutoTrac™ Controller 300**
GRC 3.70 K	GreenStar™ Rate Controller
GDC 2.11 A*	GreenStar™ Rate Controller Dry
VGC 4.01 V	AutoTrac™ Vision Guidance
HMCT 1.20 A	Harvest Monitor™ Cotton SCM
CMFS 2.07 C	Cotton Mass Flow Sensor CMFS
SMON 1.73 A	Original Harvest Monitor™ SPFH
HMON 1.20 C	Harvest Monitor™ Combine with In-Tank Moisture
MST 7.01 B	Harvest Monitor™ Elevator Mount Moisture Board
AC 2.11	Original Air Cart
SMVR 1.01 M	SeedStar™ Gen II

New Features

GreenStar™ 3 2630 Display

Important Notes:

- Installation time will vary depending on the amount of existing data and the software version currently on the display. On average, total install time is 10-15 minutes.
- It is recommended to back up display data, prior to updating any Software as a precaution, to protect your information.
- It is suggested to erase all data from your GreenStar™ 3 2630 Display before loading new Setup Data, in an effort to remove unnecessary and potentially corrupt files that may hinder display performance.
- To ensure complete and proper functionality, the most current version of GreenStar™ Display and Operations Center, Apex™, or preferred partner desktop software should be used.

Compatibility:

- For John Deere Machine Sync functionality, GreenStar™ 3 2630 Displays must operate with matching software versions. (18-1 recommended).
- For John Deere Machine Sync – coverage map sharing, shared coverage maps will not persist after updating displays from SU15-2 to any newer version. Perform software update at the conclusion of field operations to ensure no coverage maps are lost.
- Coverage maps will not persist if GreenStar™ 3 2630 Display software is backdated from 18-1 to SU15-2 or older software version.
- ISOBUS AEF Certification functionality is only approved for 30 Series and newer tractors.
- ISOBUS AEF Certification functionality will disable the use of the virtual Original GreenStar™ Monitor mode within the GreenStar™ 3 2630 Display and controllers that are designed for use with the Original GreenStar™ Monitor mode.
- Turn on the Original GreenStar™ Monitor emulator when reprogramming controllers through the display. This is required for most legacy controllers.
- Generation 4 CommandCenter™ setup profiles will not directly import into the GreenStar™ 3 2630 Display. In order to import Gen4 CommandCenter™ profiles, first export data from the GreenStar™ 3 2630 Display with the profile name “JD4600”. Next, using the same USB, export all data from the Gen4 CommandCenter™. All data will be merged into the JD4600 profile and then can be imported into the GreenStar™ 3 2630 Display.
- Software Version (18-1) is backwards compatible on all previous GreenStar™ 3 2630 Display hardware revisions. GreenStar™ 3 2630 Display software (15-2 and earlier) is not compatible with new GreenStar™ 3 2630 Display hardware revision H and later. GreenStar™ 3 2630 Display software (16-1 and earlier) is not compatible with new GreenStar™ 3 2630 Display hardware revision J and later. Hardware revision letter is found in the 7th digit of the display’s serial number.

- Software version 18-1 is backward compatible with AYM controller software older than v83.11.
- All data created with 18-1 software will not be backwards compatible. Data created with software versions 17-1 and older will need to be cleared off display and a new setup file will need to be imported.
- For full Coverage Map Sharing (CMS) functionality, GreenStar™ 3 2630 Displays must operate on 18-1 software.

AutoTrac™ Controller 300

- Enable functionality of Mazzotti's MSpray multi-function lever resume switch
- General performance enhancements

AutoTrac™ Universal 300

- General performance enhancements

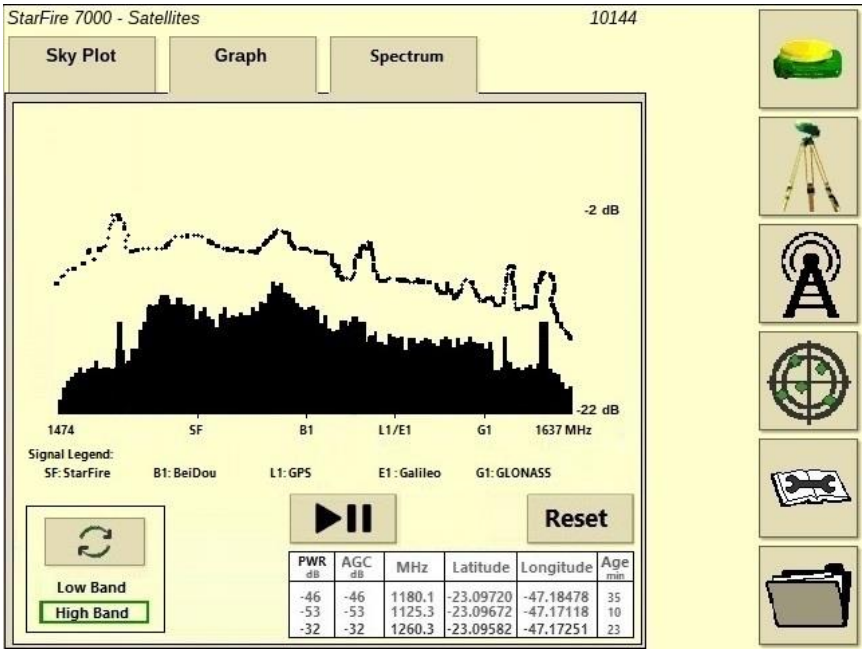
StarFire™ 7000

RTK Improvement Under Strong Ionosphere Activity

This is to help scintillation conditions in South America (Region 3).

Onboard Spectrum Analyzer for Interference

The Spectrum tab will be located by the Sky Plot tab. This tool will help identify which frequencies are causing interference in the case of poor or not signal, and where the possible interference was located in the field.



Improved RTK-X User Experience

StarFire 7000 now has the ability to save RTK-X offsets from multiple base stations. When returning to previously used base stations, this change will make it easier and quicker to maintain the performance and functionality of RTK, without having to re-collect RTK base station offset information.

TCM Quick-Start Improvement

This will improve TCM performance at receiver start up by retaining additional error state information through a power cycle. Customers should benefit from having info, such as heading, sooner at receiver start up so they can begin a farming operation sooner.

Remote Datalog Retrieval for StarFire 7000 Integrated

Gen4 displays provide the ability to remotely collect debug logs from Asset Manager. These StarFire receiver changes utilize this Gen4 functionality to improve the ability for dealers to provide remote field support for StarFire SF7000 receivers. This change will enable DTAC to remotely request SF7000 debug logs, instead of requiring the dealer to manually transfer the data.

Time Synchronization over CAN

This feature will enable the receiver to provide a “master time” to the entire vehicle system. This change will improve the time-based accuracy for other precision farming operations, such as implement placement, seed placement and product placement.

Dual StarFire Engine

This feature improves receiver performance if a shading event causes a “bad” rapid recovery event. These changes will reduce the chance that a customer would experience line drift.

Resolved Items

GreenStar™ 3 2630 Display

Implement Width

- Display will not produce a coverage map operating with implements configured with one zero width section.
- Grey Implement width bar disappears after 17-1 update.

Advanced AutoTrac™ Settings – When using Reichhardt® advanced AutoTrac™ settings, the increase and decrease buttons max out at 255 instead of 200 when pressed several times.

Universal Performance Monitor (UPM) – Universal Performance Monitor missing in dual display setup with Generation 4 CommandCenter™.

Documentation – Yield and coverage maps are not retained after display shutdown.

Mapping – Gaps in Harvest Coverage Maps on combines running Active Yield.

Section Control

- When running Section Control with Slurry & Manure Constituent Sensing (MCS) combination, the MCS coverage map does not match the Slurry applicator.
- Section Control does not work with a connected Amazone Fertilizer.
- Display maps a section of false coverage causing gaps with Section Control, i.e. map flips.

Baler Automation – Baler automation will not engage with 3.19.1117 or newer 2630 software.

AutoTrac™ RowSense™ – When operating with RowSense™ enabled, in GPS-only mode, the AB line shift buttons will not shift the AB line causing the machine to steer onto the crop.

Receiver cab-offsets – StarFire receiver cab-offset shows on the wrong side for 6-walker combines.

Status Errors

I. Status error 0.1CE8.00001 occurs when the display is connected to a 4G MTG LTE.
II. Status error assertion failure 1.0640.00246.

Machine Sync Harvest Automation – Wireless Connection Error.

AutoTrac™ Controller 300

- Missing translation for “Front Boom Detasseler”
- Reduced likelihood of ATC switching to ATU mode

Release Notice

These are software release notes for the GreenStar™ 3 Displays and related products. Release Notes can be found on www.stellarsupport.com. Note: Your use of the software is governed by the End User License Agreement included with the software.