

GreenStar™ Software Update 2016-2

Release Notes

Important Notes:

- It is recommended to back up GreenStar™ 2 1800 Display and GreenStar™ 3 2630 Display data prior to updating to Software Update 16-2, 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.
- Software activations are non-transferrable in the event of lost, stolen, or destroyed equipment. It is recommended to insure a GreenStar™ Display at full value, including software activations.
- To ensure complete and proper functionality, the most current version of GreenStar™ Display software and Apex™, or preferred partner, desktop software should be used.

Global Support Center Information:

Web: www.StellarSupport.com
E-mail: GreenStar@JohnDeere.com

Contact information for all supported countries can be found at StellarSupport™ under the "[Contact Us](#)" section

Release Notice

These are the software update release notes for the GreenStar™ Displays and related products. Apex™ Farm Management software release notes can be found on www.StellarSupport.com. Note: Your use of the software is governed by the End User License Agreement, included in the software bundle.

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GreenStar™ 3 2630 Display:

GS3 2630 software compatibility notes:

- For John Deere Machine Sync functionality, GreenStar™ 3 (GS3) 2630 Displays must operate with matching software versions. (SU16-2 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 GS3 2630 Display software is backdated from SU16-2 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 GS3 2630 Display and controllers that are designed for use with the Original GreenStar™ Monitor mode.
- Generation 4 CommandCenter™ setup profiles will not directly import into the GS3 2630 Display. In order to import Gen4 CommandCenter™ profiles, first export data from the GS3 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 GS3 2630 Display.
- GS3 2630 Display connected to 9RX Series Tractors will show a wheeled 4WD equipment dimension graphic until 9RX ROOF controller payload is updated to RE579673E
- Software Version (16-2) is backwards compatible on all previous GreenStar™ 3 2630 Display hardware revisions. GS3 2630 Display software (15-2 and earlier) is not compatible with new GS3 2630 Display hardware revision H and later. Hardware revision letter is found in the 7th digit of display’s serial number.
- Software Version (16-2) is backwards compatible on all previous GreenStar™ 3 2630 Display hardware revisions, however previous GS3 2630 Display software (16-1 and earlier) is not compatible with new GS3 2630 Display hardware revision J and later. Hardware revision letter is found in the 7th digit of the display’s serial number.

New Features

GS3 2630 Display: Importing Guidance Lines via USB – GreenStar™ 2630 Display now has ability to transfer guidance lines from one GS3 2630 Display to another GS3 2630 Display via USB drive without using Apex or other farm management software.

StarFire™ 6000 - SF3 correction – When paired with a StarFire™ 6000, GS3 2630 Display will read SF3 correction level where applicable.

John Deere Machine Sync: Harvest Automation – Calibration zone has increased to allow for larger tractor/grain cart and combine combinations and controlled traffic farming. Calibration zone has increased to the left from 11.7 m to 12.5 m.

John Deere Machine Sync: Coverage Map Sharing – If machines are equipped with both MTG and MCR, only 1 icon for each machine will appear on map. If no MCR is available on a given machine, MTG location will be used.

GreenStar™ Software Update 2016-2

Release Notes

John Deere Machine Sync: Harvest Automation: 9R tractors – functionality only approved when combine AutoTrac™ is engaged in straight track mode.

GS3 2630 Display: Documentation and Section Control – When a planter is being documented by a GS3 2630 Display the planting operation will be the only operation painted on the coverage map. In all other applications, multiple operations can paint the coverage map at the same time.

GS3 2630 Display: AutoTrac™ – Accurate ATU voltage now available in ATU Diagnostics page.

GS3 2630 Display: Advance AutoTrac™ settings - Line Sensitivity – Tracking and Line Sensitivity – Heading adjustments can be made in the activity monitor page.

Resolved/Informational Items

John Deere Section Control - Section Control may ignore coverage if a boundary divides the boom into multiple open areas.

Documentation and Section Control – GS3 2630 Display shows 26 instead of 24 rows when KINZE 47R19 planter is operating in split row.

GS3 2630 Display Documentation: SPFH – Rye and set aside added as default crop types. Note: this will only appear when all data is erased or new ‘out of the box’ display is used

Guidance AB Curve Radial Shift – When AB curve is radially shifted a snap line may have been erroneously created, especially when created with 15-2 software or older.

Guidance – AB Curve displayed row numbers not contiguous.

Guidance – Headland Predictor functionality not working

Planter visual interface – Alarm icon to cover menu and home buttons when “use existing coverage” pop-up was displayed

GreenStar™ 2 1800 Display:

GS2 1800 Display compatibility notes:

- Software Version 2.14.1036 is backwards compatible on all previous GreenStar™ (GS2) 1800 Display hardware revisions, however previous GS2 1800 Display software (15-1 and earlier) is not compatible with new GS2 1800 Displays hardware revision E and later. Revision E GS2 1800 Displays are produced after August, 2015. Hardware revision letter is found in the 7th digit of the display’s serial number.

StarFire™ 3000 Receiver: Receiver

New Features:

***Region 1 Only** - 900MHz China Radio – The StarFire™ 3000 Receiver now fully supports this configuration.

Update:

***Region 4 (US & Canada Only) and Region 2 Only** – John Deere Mobile RTK Signal. Full support and functionality for Mobile RTK utilizing an Active JDLink™ MTG is now included in the receiver.

Resolved/Informational Items:

SF2 Fallback – An issue requiring the machine receiver to fully pull-in (track StarFire™ signal for up to an hour), even though the RTK base station receiver has a full pull-in to use SF2 Fallback, has been resolved.

StarFire™ Satellite Tracking – Improvements have been made to the way the receiver chooses the next StarFire™ satellite if the current one is lost.

AutoTrac™ Vision and AutoTrac™ RowSense™ System

Update:

John Deere's family of guidance products is now expanded to improve the versatility of AutoTrac™ on 4 Series Sprayers in post-emerge application. AutoTrac™ Vision and AutoTrac™ RowSense™ detect the location of the crop row and provide this input to the AutoTrac™ system to keep the wheels between the crop rows. This advanced level of guidance will reduce crop damage, reduce operator fatigue, and improve sprayer productivity.

Note: Compatible with R4023/30/38/45 sprayer models and components required include Vision and/or RowSense™ hardware, StarFire™ Receiver (iTC or SF3000) with SF1, SF2 or RTK, GreenStar™ 3 (GS3) 2630 Display with updated display software, AutoTrac™ activation, and AutoTrac™ RowSense™ activation.

Application Controller 1100: iGrade™, John Deere Active Implement Guidance

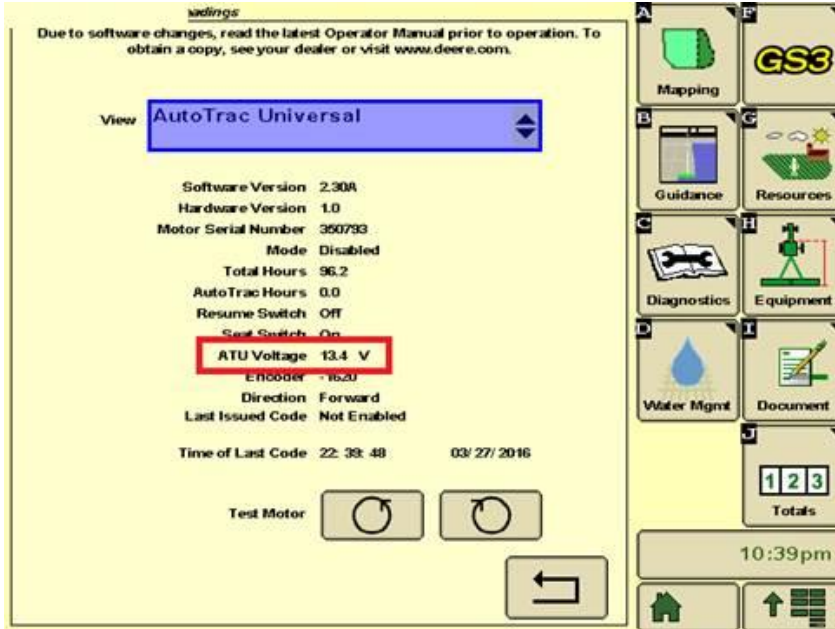
New Features:

Application Controller 1100 – Is now compatible with StarFire™ 6000 Receiver

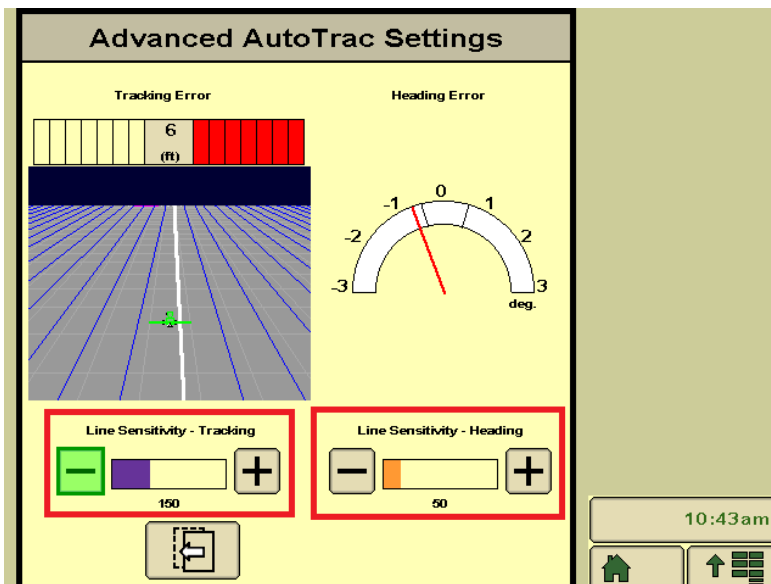
AutoTrac™ Universal (ATU) 200

Update:

ATU Voltage – Is now available in the ATU Diagnostics page.



Line Sensitivity – Tracking and Line Sensitivity – Heading adjustments will be able to be made in the activity monitor page.



Harvest Monitor™ Cotton SCM

Update:

Mass flow latency has been updated to more accurately reflect the time required for crop to enter the machine and pass the mass flow sensor. Previous latency was 0 second; new updates result in an 8 second latency on Cotton Strippers (7460 and CS690) and 2 second latency on Cotton Pickers (7760 and CP690). This change will improve the mapping accuracy on the GreenStar™ 3 2630 Display.

GreenStar™ Software Update 2016-2

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Software Versions – Bold items have changed from previous releases and are included in the software bundle. Please utilize the John Deere Custom Performance website to view and/or update controllers not included with this software bundle.

<u>Version #</u>	<u>Description</u>
3.33.1455	GreenStar™ 2630 Display
2.8.1033	GreenStar™ 2600 Display
2.14.1036	GreenStar™ 1800 Display
GSD 1.97 B	Original GreenStar™ Display
ITC 2.30 X	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
03B10	John Deere Mobile RTK Modem – R2 only
1.10A	Machine Communication Radio
TCM 1.09 A	TCM
2.71 A	Application Controller 1100 (iGrade™, John Deere Active Implement Guidance)
1.50 E	Application Controller 1120 (John Deere Mobile Weather, John Deere Harvest Identification Cotton)
ATU 1.13 A	AutoTrac™ Universal (ATU) 100
ATU 2.30 A	AutoTrac™ Universal (ATU) 200
RG2 2.04 B	AutoTrac™ RowSense™ – Universal
CAT 1.11 B	AutoTrac™ Controller (Deere)
GRC 3.50 A	GreenStar™ Rate Controller
GDC 2.20 A	GreenStar™ Rate Controller Dry
VGC 1.10D	AutoTrac™ Vision Guidance Camera
HMCT 1.20 A	Harvest Monitor™ Cotton SCM
CMFS 2.07C	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
AC2 .11	Original Air Cart
SMVR 1.01M	SeedStar™ Gen II