GreenStar™ Software Update 2015-1
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 15-1, 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.

Software Compatibility Notes:

- To ensure complete and proper functionality, the most current version of GreenStar™ Display software and Apex™, or preferred partner, desktop software should be used.

- For John Deere Machine Sync functionality, GreenStar™ 3 2630 Displays, connected in the same network, must operate with matching software versions. (SU15-1 recommended).

Global Support Center Information:

Web: www.StellarSupport.com
E-mail: GreenStar@JohnDeere.com
North America: SUPPORT: 1-888-GRN-STAR (1-888-476-7827)
                    ACTIVATIONS: 1-888-95DEERE (1-888-953-3373)
Australia: 0011-800-0001-3373
New Zealand: 00-800-0000-3333
Brazil: 0-800-891-4031
Mexico: 866-582-4068
Argentina: 0800-444-9126
South Africa: 0800-983-821
Zimbabwe: (Access code: 110-98990) 888-983-3373
Zambia: (Access code: 00-899) 888-923-3373
*Countries w/ Access codes – Dial access code first and once prompted, enter the toll free number.

Release Notice

These are the software update release notes for the GreenStar™ Displays and some 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: Display, AutoTrac™, John Deere Section Control, John Deere Machine Sync, John Deere Auto Implement Detection,

New Features

John Deere Machine Sync Enhancements: Coverage Map Sharing - John Deere Machine Sync now includes coverage map sharing functionality. Coverage maps can be shared in field operations using a Machine Communication Radio. Sharing coverage maps allows John Deere Section Control-enabled machines to trigger section control on/off based on another machine's coverage. Harvest operations can use shared coverage maps and overlap control to calculate an individual machines harvested area.

John Deere Machine Sync Enhancements: Guidance Line Sharing - John Deere Machine Sync now includes guidance line sharing functionality. Guidance Lines can be shared in field operations using a Machine Communication Radio. Sharing guidance lines allows an AutoTrac-enabled machine to share guidance lines with another vehicle. Guidance line sharing functionality is limited to straight tracks only.

Increased Processor Speed - Performance enhancements have been made to increase the internal processor speed of the GS3 2630 Display. This additional capacity allows for quicker responses to button presses and screen changes as well as the ability to perform adequately in high processor demanding applications.

AB Curve Radial Shift Functionality- Ability to shift an AB Curve track to the left or right by regenerating a guidance line with equal track spacing throughout the entire AB curve.

AutoTrac Controller Support for Self-Propelled Windrowers - Required steering control logic when using AutoTrac Controller Raven™ on John Deere W150 Self-Propelled Windrowers.

Increased Maximum Area for Shapefile Prescription – The field size of prescription shapefiles imported onto the GS3 2630 Display can now be up to 8 times larger.

ISOBUS Agricultural Industry Electronic Foundation (AEF) Certification – AEF Certification is an international standard for agricultural electronic applications. With AEF enabled, the GS3 2630 Display with Section Control can control third party implements with ISO Task Control: Section Control functionality.

ISOBus AEF Certification compatibility is determined by the third party implement manufacturer, and therefore cannot be guaranteed by John Deere. Contact the respective implement manufacturer for details. AEF functionality is only approved for 30 Series and newer tractors.

The ISOBus AEF Certification checkbox is located in Multiple Displays Settings:
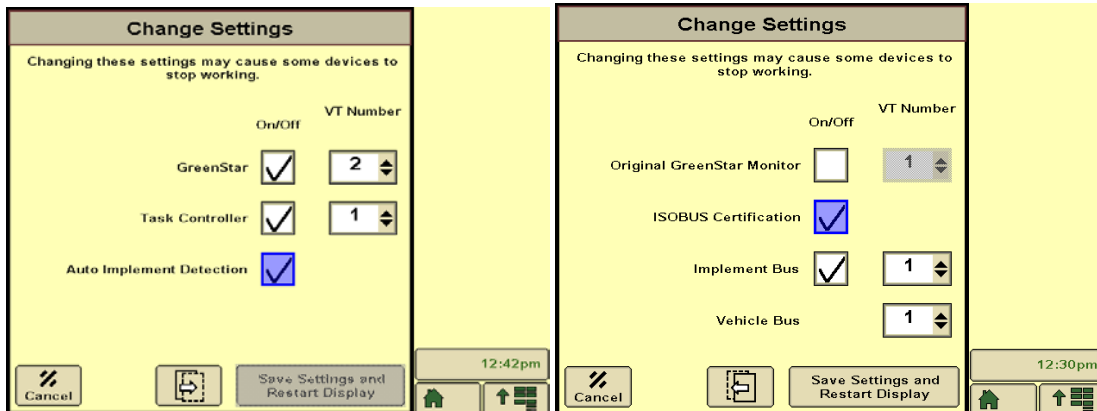
Select Menu button > Display button > Display Diagnostics softkey > Multiple Displays tab > Change Settings button > Next Page button > ISOBUS Certification checkbox > Save Setting and Restart Display button

Auto Implement Detection (AID) Enhancements – Additional functionality adds a check box for user to disable Auto Implement Detection. With AID disabled, implement offsets will not automatically populate from the implement controller to the GS3 2630 Display.

The AID checkbox is located in the Multiple Displays Settings:

Select Menu button > Display button > Display Diagnostics softkey > Multiple Displays tab > Change Settings button > Auto Implement Detection checkbox > Save Setting and Restart Display button

Multiple Displays Change Settings Pages

Page 1) Auto Implement Detection checkbox   Page 2) ISOBUS AEF Certification checkbox

Resolved/Informational Items

Map Gaps in Harvest Data– Resolved issue where GS3 2630 Display recorded yield and moisture gaps in Apex and MyJohnDeere harvest data.

Application Error Message when Converting Shapefile Prescription – Issue incorrectly converted character strings in the shapefile which exceeded the 20 characters limit.

Section Control Map Incorrect with Loss of GPS – When GPS signal is lost, coverage will no longer map between last known GPS location and location point when GPS signal resumes.

Incorrect Totals Printout –When printing the on-screen totals, the output on the printout showed incorrect data.

Unable to Select Header Type on SPFH - "Implement Type" will no longer be improperly disabled or grayed out the under the Header tab when connected in a John Deere Self-Propelled Forage Harvester.

Incorrect Implement Offsets – In SeedStar™ Software Version 18, Implement Setup showed incorrect "E" dimension that may affect Section Control Performance

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GreenStar™ 2 1800 Display: Display, AutoTrac™

New Feature

AutoTrac Controller Support for Self-Propelled Windrowers - Required steering control logic when using AutoTrac Controller Raven™ on John Deere W150 Self-Propelled Windrowers.

StarFire™ 3000 Receiver: Receiver, RTK

Update

StarFire Frequency Change – The internally stored frequencies on the StarFire 3000 have been updated to include the new frequency change that began in November 2014.

If StarFire 3000 receiver is not updated, new frequencies will have to be manually entered.

Resolved/Informational Items

GPS Accuracy Indicator (GAI) Improvement – The GAI did not match current StarFire accuracy levels. The indicator has been updated to reflect the latest improvements in StarFire accuracy.

RTK Base Station Status Improvement – The RTK Base Station status indicator shows "OK" when GPS signal is lost. Status indicator improvements now show "No Nav" status when RTK Base Station loses GPS position.

StarFire™ iTC Receiver: Receiver

Update

StarFire Frequency Change – The internally stored frequencies on the StarFire iTC have been updated to include the new frequency change that began in November 2014.

If StarFire iTC receiver is not updated, new frequencies will have to be manually entered.

Application Controller 1100: John Deere Active Implement Guidance

Resolved/Informational Items

Warning Message in Follow Mode – When traveling at speeds greater than 21 mph (33.7 kmh) a full page warning message would appear disabling Follow Mode. After accepting the message the controller is removed from the CAN Bus. Improvements to controller communication now allow the controller to remain available after accepting the warning message.

Harvest Monitor™ Cotton:

Resolved/Informational Items

7660 Cotton Harvester Incorrectly Changes Setting to CS690 - Harvest Monitor Controller changes setting from 7660 to CS690 on start-up or during harvest. Issue caused documentation to not start or stop recording. Improvements machine detection messages resolved issue.

AutoTrac Universal (ATU): AutoTrac™

Resolved/Informational Items

Unable to Engage AutoTrac –High encoder count would not engage AutoTrac. Improvements to encoder value now prevent this issue.

Incorrect Steering Wheel Moved Exit Code – Asymmetric steering vehicles with correct ATU settings would disengage AutoTrac. Improvements to asymmetric steering logic now prevent this issue.

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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.

Version #	Description
3.28.1186	**GreenStar™ 3 2630 Display**
2.8.1033	GreenStar™ 2 2600 Display
2.13.1023	**GreenStar™ 2 1800 Display**
GSD 1.97 B	Original GreenStar™ Display
ITC 2.10 P	**StarFire™ 3000 Receiver**
ITC 3.73 G	**StarFire™ iTC Receiver**
LCR 1.10 C	StarFire™ 300 Receiver
SF 7.70 B	StarFire™ Gen II Receiver
03B10	John Deere Mobile RTK Modem
1.10A	Machine Communication Radio
TCM 1.09 A	TCM
2.60 A	**Application Controller 1100 (iGrade™, John Deere Active Implement Guidance)**
1.40 A	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
GRC 3.43 A	GreenStar™ Rate Controller
GDC 2.11 A	GreenStar™ Rate Controller Dry
HMCT 1.11 B	**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