



Software Update

Generation 4 OS installation time: Approximately 20 minutes, with no existing data. Installation time will vary depending on the amount of existing data and the software version currently on the display.

The latest packages for the Generation 4 Displays below can be downloaded and installed over-the-air or using a USB drive and John Deere Software Manager, available on StellarSupport.com within the “Software Updates” page. If using online software updates on the Generation 4, over-the-air download time will vary based on cellular coverage or wireless internet connection strength. Reference “Download Instructions” for more help.

Note: Generation 4 OS software updates will automatically install the correct corresponding Generation 4 OS Help. One update cannot be separated from the other.

	Package	Version
	Generation 4 OS	10.15.1146-151
	Generation 4 OS Help	10.3.64-1
	AMS Applications	10.15.1146-151

Machine Application Software Updates

Machine applications are located under Machine Settings in the Generation 4 Display menu. A John Deere dealer will be required to install any required updates to machine application software using Service ADVISOR™.

Release Notes Content

[New Features and Improvements](#)

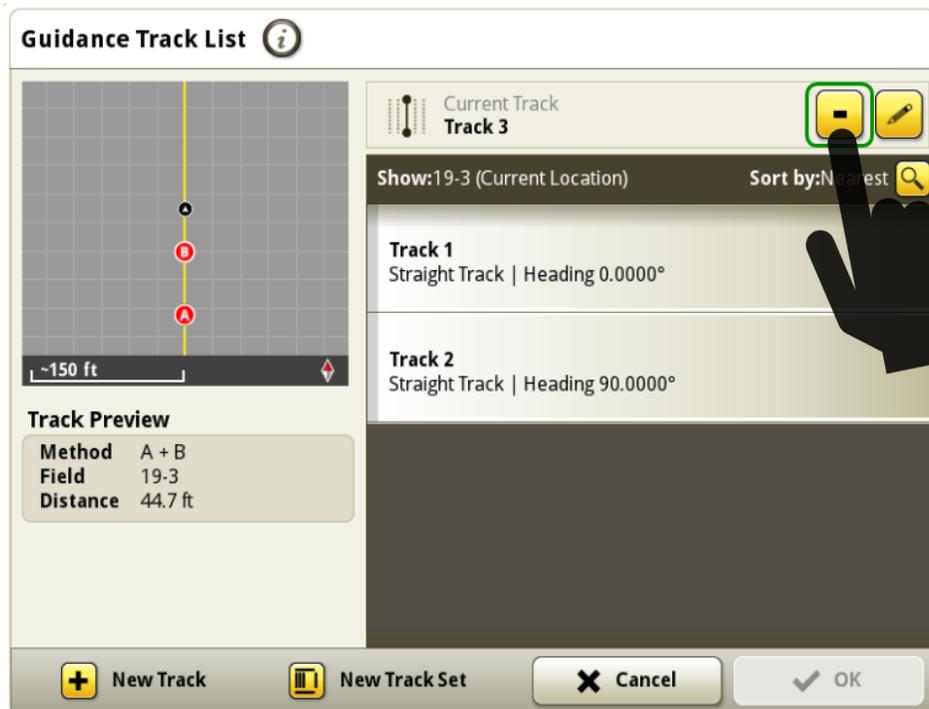
[General Information](#)

[Training](#)

New Features and Improvements

Guidance-

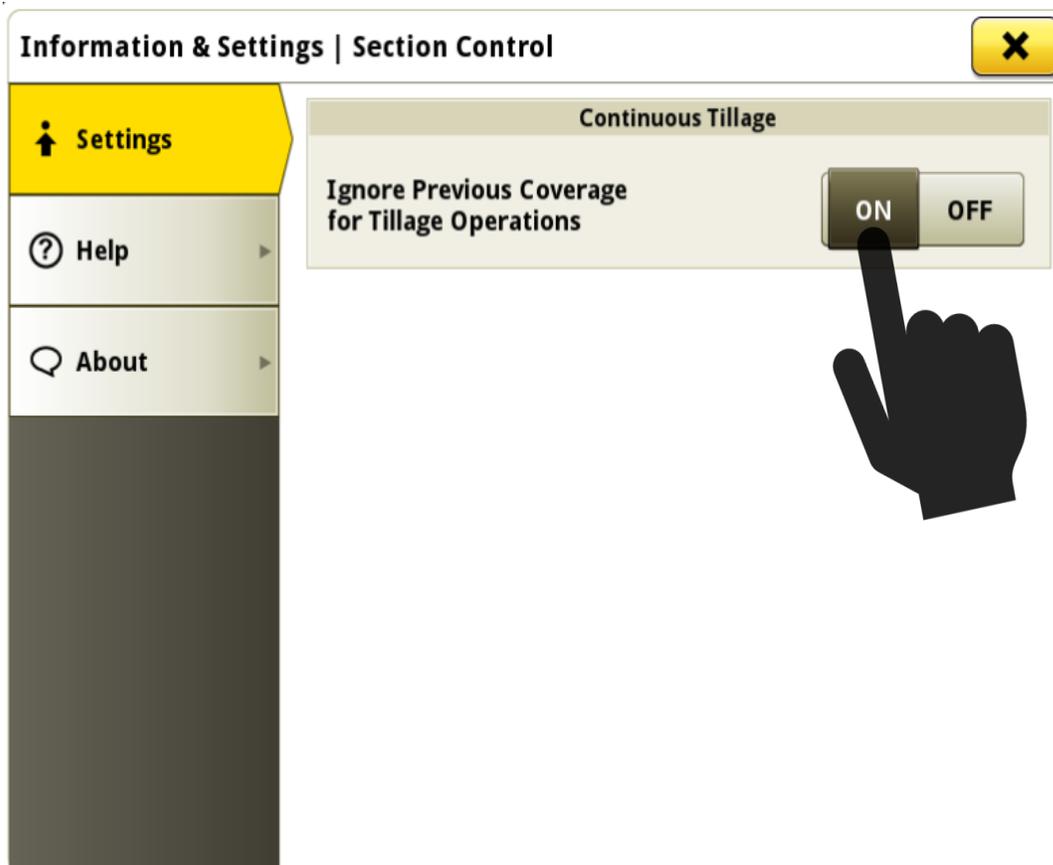
- Operators are now able to deselect the current track without selecting another track. A new button has been added to the Guidance Track List page to enable this functionality. This allows cotton harvesters and self-propelled forage harvesters to use manual RowSense™ without a guidance line selected. Another benefit of this feature is to reduce distractions from the current track when not using AutoTrac™, such as during transport. If the current track is deselected with AutoTrac™ active, the operator will be notified that completing this action will disengage AutoTrac™.



- The system will now automatically connect an adaptive curve that was split into two segments if heading and distance requirements are met. AutoTrac™ will not disengage on subsequent passes. A split or gap in the adaptive curve can occur if the operator needs to stop for any reason (full grain tank, clear a plug, etc.). If the generated segment is incorrect, the operator must manually steer and navigate along the desired path. This feature's logic is the same as the GreenStar™ 3 2630 adaptive curve gap fill feature.

Section Control –

- Section Control can now be configured to ignore previous coverage when using a Section Control capable tillage implement. This feature is OFF by default. When this feature is turned ON, Section Control will not command the tillage implement to raise or lower based on proximity to previous coverage. This allows operators to overlap previously tilled area while leaving the tillage implement engaged in the ground to prevent leaving tracks behind the machine. To turn this feature ON or OFF, navigate to the Section Control application then advanced settings.



- Boundary use for Section Control can now be defined independently for exterior and interior boundaries. This configuration is modified in the top right section of the Section Control application main page. For example, a sprayer operator can configure Section Control to ignore exterior boundaries (to prevent it from commanding off outside of the exterior boundary) but still use the interior boundaries (to ensure it commands off inside of interior boundaries).

Link to feature demonstration video: <https://youtu.be/bfYd9XMIPUo>



Language and Units –

- Switching between languages has been simplified with the option to configure an active and alternate language. Additionally, a shortcut has been added which allows an operator to swap between the active and alternate language without navigating through menu pages. The active language is always the language that is currently in use. Modifying the active language selection will prompt a change to the displayed language immediately. Modifying the alternate language does not prompt an immediate change to the displayed language. A language cannot be selected as active and alternate at the same time. After establishing an alternate language, the displayed language can be swapped by either selecting the Swap Language button within the Language and Units application or selecting the Alternate Language shortcut button (if configured on the shortcut bar). The shortcut bar can be configured using the Layout Manager application.

Link to feature demonstration video: <https://www.youtube.com/watch?v=rv8idubT8Xs&feature=youtu.be>



Mapping –

- Air carts configured in a tow-between configuration will now map the pivot point of the cart to seeding tool connection.



- Colors used for mapping varieties have been modified to reduce conflict with rate/yield colors when using features like Variety Locator.

19-2 and prior (note the yellows, reds and greens)



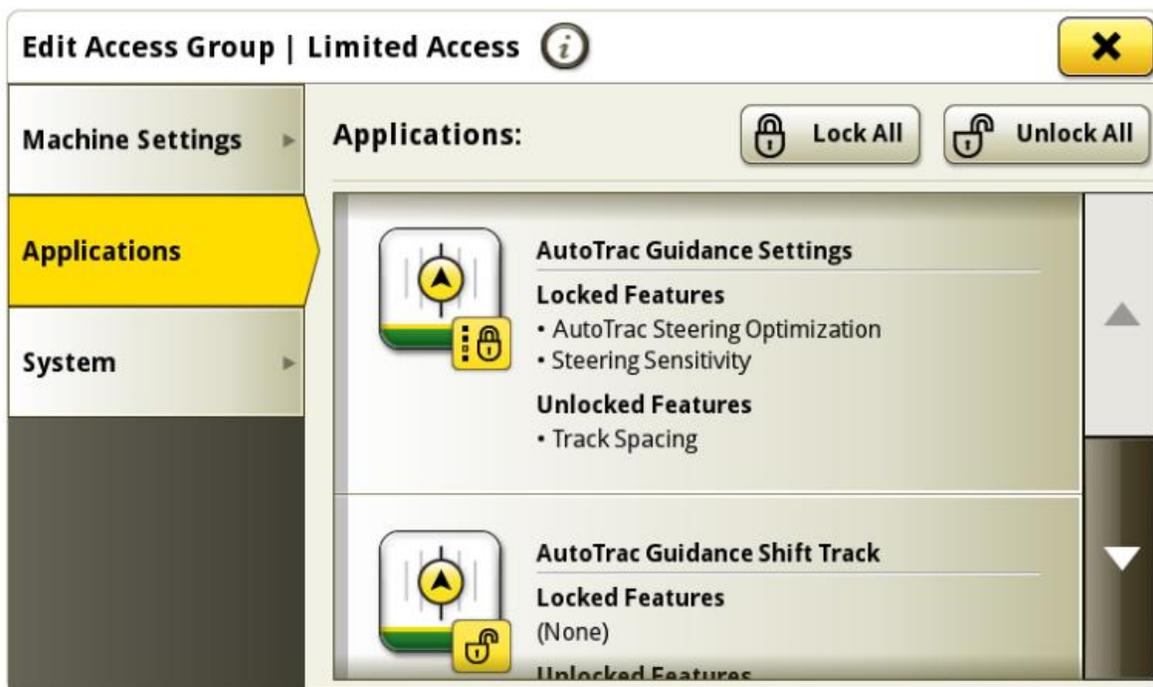
19-3 release



Users & Access -

- Administrators can now restrict operator access to select Generation 4 AMS applications and system settings within the Users & Access application limited access group. Saved Access Group settings can be exported and imported between displays to consistently set up a fleet. With this release administrators can restrict access to the following settings and applications:
 - AutoTrac™ Guidance Settings
 - AutoTrac™ Guidance Shift Track
 - AutoTrac™ Guidance Track Data
 - Flags
 - Machine Profile
 - Implement Profile
 - Section Control
 - Setup Data
 - Work Monitor
 - File Manager
 - Wireless Settings

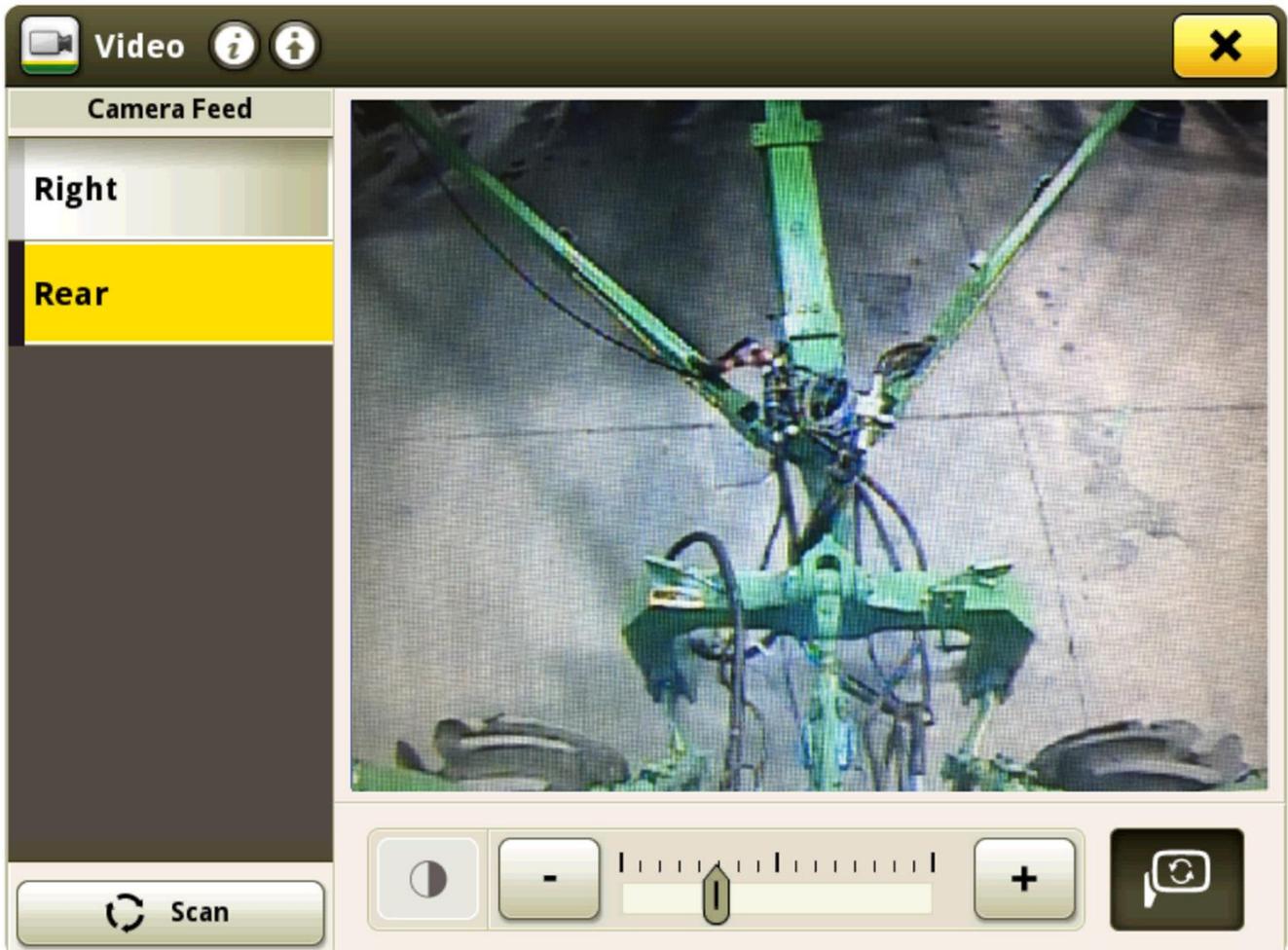
Link to feature demonstration video: <https://youtu.be/TIXNNq2aJdQ>



Video-

- The video application on 4600 CommandCenter™ and 4640 Universal Display has been redesigned to improve user interface and prepare for future enhancements. Features include the ability to name and configure cameras for viewing and scanning.

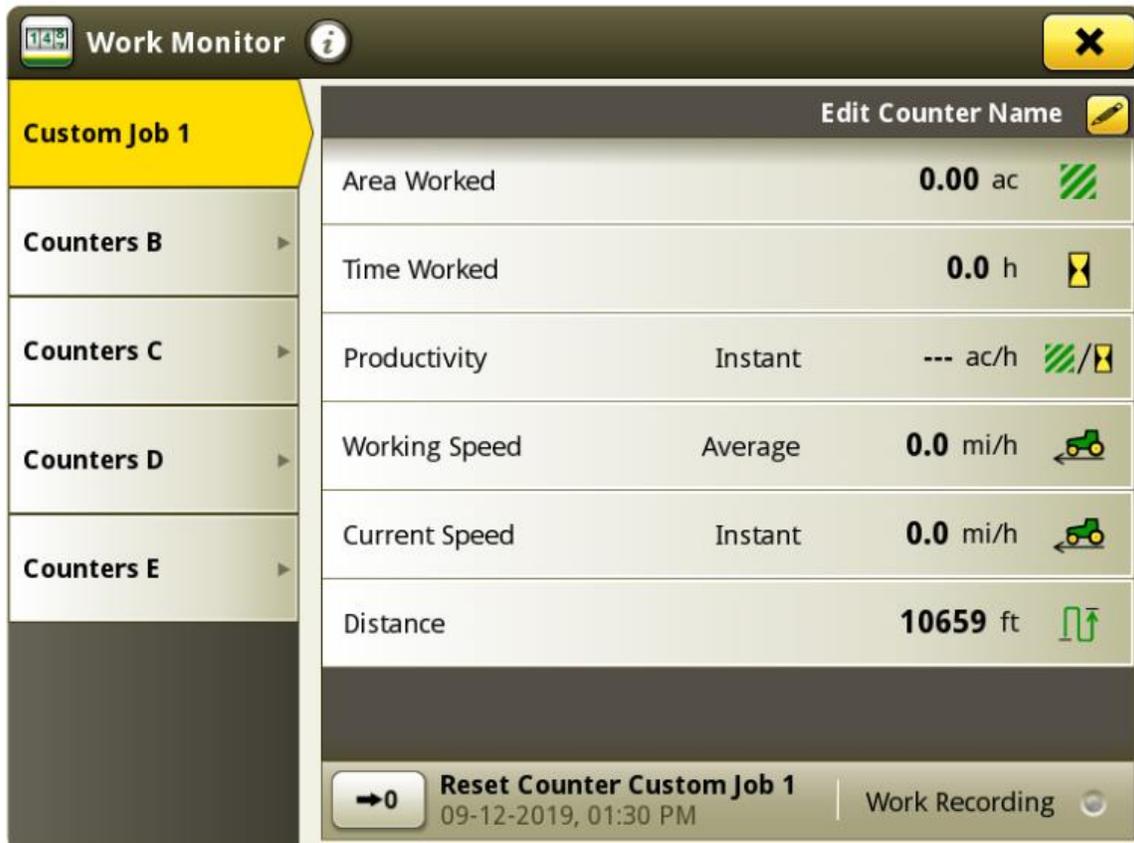
Link to feature demonstration video: <https://youtu.be/Sr9FnK0pFNM>



Work Monitor-

- Three additional Work Monitor counters have been added, for a total of five counters.
- Operators can now customize the names of the Work Monitor counters. To modify a counter name, first select the desired counter, then select the Edit Counter Name button. Counter names are limited to 20 characters. If an operator selects OK in the Counter Name entry screen with no characters entered, then the display will revert the selected counter name to its default name.

Link to feature demonstration video: <https://youtu.be/H5WYnkz-LDs>



Yield Documentation, Specialty Crops-

- Documentation of specialty crops such as potatoes, onions, and sugar beets harvest data is now available on Generation 4 displays.

For additional information and system requirements, reference:

<https://www.deere.com/en/technology-products/precision-ag-technology/data-management/yield-documentation/>

4640 Universal Display Compatibility –

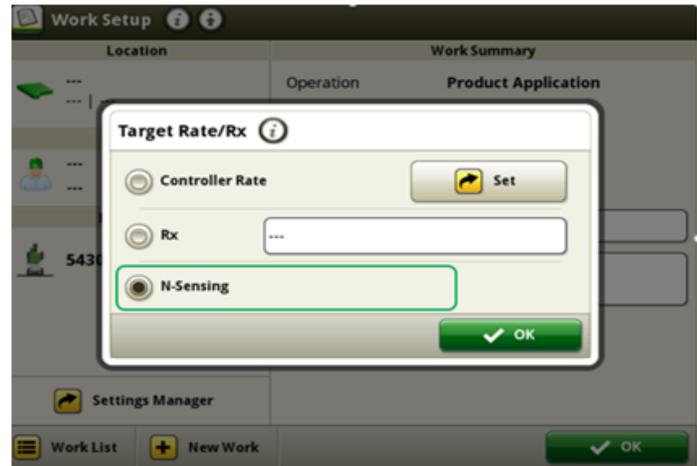
- 4640 Universal Display is now compatible with model year 2015 and newer John Deere CS690 and CP690 cotton harvesters. Features include:
 - Profile and setup information
 - Original GreenStar™ Monitor emulator support for Sensor Combine Module (SCM)
 - Harvest Identification, Cotton support with Application Controller 1120 and HID Pro
 - Works with manual RowSense™

NOTE: It is recommended that a John Deere Dealer verify that the harvesters cab controller software is updated to the latest available version on model year 2017 and newer cotton harvesters to use Harvest Identification, Cotton Pro.

RS232 Compatibility –

- Support for the following devices has been added to expand RS232 functionality on 4600 CommandCenter™ and 4640 Universal Display:
 - Yara N-Sensor™
 - Fritzmeier Nitrogen Sensor
 - GreenSeeker®

Install, calibrate and set up the system according to the manufacturer's operator's manual. Configure Com Port Settings for device type and manufacturer. Select Target Rate/RX under Work Summary



*GreenSeeker® is a trademark of Trimble Navigation Limited Corporation
Yara N-Sensor™ is a trademark of Yara International ASA*

*For additional information on any of the above features, contact your John Deere Dealer.
(John Deere Dealer: reference Ag Sales Manual for additional details)*



Data Management

Importing

- The John Deere 4640 Universal Display allows users to import and export machine profiles, however the Generation 4 CommandCenter™ does not import or export machine profiles.
- To import prescriptions, shapefiles must be in the “Rx” folder at the root of the USB drive.

Exporting

- When exporting work data, use a separate USB drive for each Generation 4 Display. Exported Generation 4 work data cannot be placed in individual profile folders. Exported “Setup” data is placed in the “JD4600” folder. Exported “Work” Data is placed in the “JD-Data” folder.
- An operator cannot export a field boundary to a USB drive which already contains that boundary, even if it’s within a different profile
- Access Tracks and Boundary Tracks cannot be exported from Generation 4 Displays.

Exporting for use with a GreenStar™ 3 2630 Display

- Generation 4 Display setup profiles do not include Implement Profiles, which are needed by a GreenStar™ 3 2630 Display. Before exporting Generation 4 Display profiles for use in a GreenStar™ 3 2630:
 - Export data from the GreenStar™ 3 2630 Display with the profile name “JD4600”.
 - Using the same USB, export Setup Data from the Generation 4 Display. All data will be merged into the JD4600 profile folder.
 - Import “JD4600” profile into the GreenStar™ 3 2630 Display

Within John Deere Operations Center

- If planning to manage data in John Deere Operations Center, properly document Client, Farm, and Field information when performing work.
- Automatic syncing of Work Data is enabled on Generation 4 Display through Data Sync. It sends Work Data files to “Field Analyzer” in Operations Center.
- Manual exports to Operations Center are enabled on the Generation 4 Display through Wireless Data Transfer. It sends Work Data to “Files” in Operations Center. After the Work Data is delivered to “Files” in Operations Center, it will also get sent to various tools in Operations Center for use.



General Information

- Software activations are non-transferrable in the event of lost, stolen, or destroyed equipment. It is recommended to insure machines with a Generation 4 CommandCenter™ at full value, including software activations.
- Software for the controllers listed below can be updated using the Generation 4 display. The newest software versions available at the time of this Generation 4 software release are also provided for reference.

Controller	Software Version
Application Controller 1100	2.71 X
Application Controller 1100 (S.N. PCXL01C201000-)	3.11 A
Application Controller 1120	1.51 W
Application Controller 1120 (S.N. PCXL02C201000-)	3.11 A
AutoTrac™ Universal 100	1.13 A
AutoTrac™ Universal 200	2.30 A
AutoTrac™ Universal 300	3.23 G
GreenStar™ Rate Controller Dry	2.11 A
GreenStar™ Rate Controller	3.70 K
StarFire™ 3000 Receiver	2.70 A
StarFire™ 6000 Receiver	4.20 N
AutoTrac™ Vision Guidance	4.01 V



Training



Onscreen Help - Onscreen help supplements the information found in the Operator's Manual. Press the Information icon at the top of any page to view relevant help information for that page. When viewing help, press the Book icon under Table of Contents to view all other available content related to the given page. Generation 4 Display Onscreen Help is available on displaysimulator.deere.com.



Training Simulators - To learn more about the Generation 4 Displays, there is an online Training Simulator available for download under the Parts & Service Menu in the Manuals & Training Page in displaysimulator.deere.com.

Release Notice

These are Generation 4 OS and AMS Applications software update release notes for the Generation 4 Displays. 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.

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