

Generation 4 Display compatibility

This is the compatible equipment approved with the software update 2018-2 release, and is subject to change with newer software updates. To ensure complete and proper compatibility, the most current version of implement control unit software, Gen 4 Display software, or compatible farm management information software (FMIS) should be used. Non-current software versions will require an update before support can be provided. Unapproved software version configurations will not be supported.

Gen 4 Displays are compatible with one Agricultural Industry Electronics Foundation (AEF) certified ISOBUS implement; AEF-certified ISOBUS implements with Task Controller Section Control (TC-SC) functionality and AEF certification for TC-SC include sprayers, fertilizer spreaders, planters, seeders, manure applicators, etc. For third-party FMIS compatibility, reference the John Deere Operations Center.

CommandCenter Premium 3.0 activation is compatible with the 4600 CommandCenter v2 processor. The 4640 Premium 3.0 subscription is compatible with the following 4640 Universal Display configurations. The following configurations are available for use with software update 18-1 on the 4600 CommandCenter v2 processor and the 4640 Universal Display. The 4600 CommandCenter v1 processor and 4100 CommandCenter are updatable to software update 17-2. The chart below lists compatible configurations. Verification of server version must be done via serial number tag or display user interface.

Server serial numbers are as follows:

- v1 = RWG prefix
- v2 = PCG prefix

Machine compatibility

John Deere Large Ag Tractors

John Deere Large Ag Tractors (list of all automatically detected machines)	Model year	CommandCenter™ display		Universal Display	
		4600 v2	4200	4640	4240
9R/9RT/9RX Series	2018 and newer	X	X	X	X
9R/9RT/9RX Series	2015 - 2017	X	---	X	X
9R/9RT	2012 - 2014	---	---	X	X
9030/9030T Series	2008 - newer	---	---	X	X
8R/8RT Series	2018 - newer	X	X	X	X
8R/8RT Series	Mid-2014 - 2017	X	---	X	X

8R/8RT Series	2010 - 2013	---	---	X	X
8030/8030T Series	2006 and newer	---	---	X	X
7R Series	2018 and newer	X	X	X	X
7R Series	2014 - 2017	X	---	X	X
7R Series	2012 - 2013	---	---	X	X
7J Series	2018 and newer	---	---	X	X
7030 Series	2007 and newer	---	---	X	X
7030 Series (Large Frame)	2007 and newer	---	---	X	X
6030 and 7030 Series (Small Frame)	2006 and newer	---	---	X	X
6R Series	2018 and newer	X	---	X	X
6R Series	2015 - 2017	X	---	X	X
6M Series	2013 and newer	---	---	X	X
6J Series	2018 and newer	---	---	X	X
5R Series (VIN detected)*	2019 and newer	---	---	X	X

John Deere Nutrient Applicators

John Deere Nutrient Applicators	Model year	CommandCenter display		Universal Display	
		4600 v2	4200	4640	4240
F4365 High-Capacity Nutrient Applicator	2017 and newer	X	---	---	---

John Deere Self-Propelled Sprayers

John Deere self-propelled sprayers	Model year	CommandCenter display		Universal Display	
		4600 v2	4200	4640	4240
4 Series Sprayers	2018 and newer	X	---	---	---
4 Series Sprayers	2013 - 2017	---	---	X	---
4940	2012 - 2014	---	---	X	---

4630	2008 and newer	---	---	X	---
4730	2008 and newer	---	---	X	---
4830	2008 - 2014	---	---	X	---
30 Series Sprayer (4930)	2006 - 2013	---	---	X	---
R4040i	2019 and newer	---	---	X	---
R4050i	2019 and newer	---	---	X	---
Hagie™ sprayers	2014 and newer	Only compatible with GreenStar™ 3 (GS3) 2630 Displays at this time			

John Deere Self-Propelled Forage Harvesters

John Deere Self-Propelled Forage Harvesters	Model year	CommandCenter display		Universal Display	
		4600 v2	4200	4640	4240
9000 Series SPFH	2019 and newer	---	---	X	---

John Deere combines

John Deere combines	Model year	CommandCenter display		Universal Display	
		4600 v2	4200	4640	4240
S700 Series	2018 and newer	X	---	---	---
S430 and S440	2017 and newer	X	---	---	---
S600 Series	2012 - 2017	---	---	X	---
S540 and S550 Series	2012 and newer	---	---	X	---
T-Series	2012 and current	---	---	X	---
W-Series	2012 and current	---	---	X	---
70 Series	2008 - 2011	---	---	X	---

NOTE: Competitive equipment may be compatible with 4640 Universal Display and 4240 Universal Display. For additional compatibility information, see [AutoTrac™ Universal 200](#), [AutoTrac Universal 300](#), or [AutoTrac Controller](#) in the Ag Sales Manual.

Equipment compatibility

John Deere planters

SeedStar™ 4HP planters are only compatible with 4600 CommandCenter displays with a version 2 (v2) processor and 4640 Universal

Displays. Displays should be running Gen 4 OS software version 10.9.79-124 or newer and the most current version of Tractor Applications to be compatible with SeedStar 4HP planter applications. Additionally, dual-display mode is not available for use with SeedStar 4HP planter applications at this time. If multiple monitors are needed, utilize a Gen 4 Extended Monitor.

The SeedStar 2 configuration below is available only on factory-installed model year 2011 and newer planters and may be field-installed on model year 2009 and 2010 planters. Green PM/PA controllers (factory-installed on model year 2009 and 2010 planters) are not supported with a Gen 4 display.

For John Deere dealers: the Service ADVISOR™ tool is needed to update SeedStar 2, SeedStar XP, and SeedStar 3 HP software. Documentation is not supported when using a rate controller to control row clutches on a John Deere planter.

John Deere planters	Control unit name	Software version	CommandCenter display		Universal Display	
			4600 v2	4200	4640	4240
SeedStar 2	Black PM1	22.0	X	X	X	X
	Black PA1, (if available PA 2)	22.0	X	X	X	X
SeedStar XP	Black PM1	22.0	X	X	X	X
	Black PA1, (if available PA 2)	22.0	X	X	X	X
	PM2	7.0	X	X	X	X
SeedStar 3 HP	Planter Main A (PCMA)	5.0	X	X	X	X
	Planter Main B (PCMB or MMC)	8.0	X	X	X	X
	Row-unit Controller (RUC)	2.0	X	X	X	X
	EPG	3.0	X	X	X	X
SeedStar 4HP	Planter Apps	10.2.170-14	X	---	X	---
	Planter Main A (PCMA)	4.0	X	---	X	---
	Planter Main B (PCMB or MMC)	3.0	X	---	X	---
	Row-unit Controller (RUC)	2.0	X	---	X	---
	EPG	2.0	X	---	X	---

John Deere Air Seeders

The C850 Air Cart requires a 4600 CommandCenter Display or a 4640 Universal Display. GS3 2630 monitors are not supported. Additionally, C850 Air Carts and AutoTrac Implement Guidance (passive) are compatible with software update 18-2.

John Deere Air Seeder	Model year/control unit name	Software version	CommandCenter display		Universal Display	
			4600 v2	4200	4640	4240
C850 Air Cart	Cart Master Controller (CMC)	10.01	X	X	X	X
	Mini Tank Controller (TXC)	4	X	X	X	X
	Front, Middle, Rear Tank Controller (TCU)	4	X	X	X	X
1870 Seeding Tool - TruSet™ system	2017 and newer (IDC)	5.0	X	X	X	X
1870 Seeding Tool - RelativeFlow™ blockage sensors	2017 and newer (BMU)	3.0	X	X	X	X
1910 Air Cart - ground drive	2009 and newer	3.0	X	X	X	X
1910 Air Cart - hydraulic drive	2013 and newer	7.03	X	X	X	X
Seeding tools with all-run blockage - primary blockage	2009 and newer (BMU)	12.0	---	X	---	X
Seeding tools with all-run blockage - all-run blockage	2009 and newer (BMU)	12.0	X	X	X	X
	Member Module	5.0	X	X	X	X
1990 Central Commodity System (CCS™)	2009 and newer (BMU)	12.0	X	X	X	X

John Deere Tillage

John Deere Tillage	Control unit name	Software version	CommandCenter display		Universal Display	
			4600 v2	4200	4640	4240
AccuDepth™ cultivator	Implement Depth Control (IDC)	11	X	X	X	X
2730 with TruSet	Tillage Controller 1 (TC1)	1.65H5	X	X	X	X
2230 with TruSet	Tillage Controller 1 (TC1)	1.74H11	X	X	X	X

2330 with TruSet	Tillage Controller 1 (TC1)	1.34H11	X	X	X	X
2620/2630 with TruSet	Tillage Controller 1 (TC1)	1.94H15	X	X	X	X
2720 with TruSet	Tillage Controller 1 (TC1)	1.22H7	X	X	X	X

John Deere Round Balers

John Deere Round Balers	Control unit name	Software version	CommandCenter display		Universal Display	
			4600 v2	4200	4640	4240
0 Series	Baler Automation	10.07	X	X	X	X
9 Series Premium	Baler Automation	7.16	X	X	X	X

John Deere Trailed Sprayers

John Deere Trailed Sprayers	Model year	Software version	CommandCenter display		Universal Display	
			4600 v2	4200	4640	4240
M700/M700i Trailed Sprayers	2014 and newer	7.08	X	X	X	X
M900/M900i Trailed Sprayers	2017 and newer	7.08	X	X	X	X
R900i Trailed Sprayers	2011 and newer	7.08	X	X	X	X
732i and 740i Trailed Sprayers	2008 - 2014	< 4.12	X*	X*	X*	X*
832i and 840i Trailed Sprayers	2005 - 2015	< 4.12	X*	X*	X*	X*
832iTF and 840iTF Trailed Sprayers	2005 - 2015	< 4.12	X*	X*	X*	X*

*NOTE: VTi only (Section Control requires software 4.12 or higher).

Precision Ag Technology software compatibility

John Deere control units	Control unit name	Software version	CommandCenter display		Universal Display	
			4600 v2	4200	4640	4240
*StarFire 6000 Receiver	---	3.90G	X	X	X	X
StarFire 3000 Receiver	---	2.32H	X	X	X	X
*Modular Telematics						

Gateways (MTG) - 3G	---	21.03	X	X	X	X
*MTG - 4G	---	24.01	X	X	X	X
GreenStar Rate Controller	---	3.60F	X	X	X	X
GreenStar Rate Controller Dry	---	2.20A	X	X	X	X
*John Deere Rate Controller 2000	---	1.11A	X	X	X	X
*AutoTrac Universal 200	---	2.30A	---	---	X	X
*AutoTrac Universal 300	---	3.21Z	---	---	X	X
*AutoTrac Controller - Deere	---	1.11B	---	---	X	X
AutoTrac Controller - Raven	---	3.2.29	---	---	X	---
AutoTrac Controller - Reichardt®	---	SW 1.3	---	---	X	X
AutoTrac RowSense™	RG3	AKK15783E	X	---	X	---
AutoTrac Vision	VGC	3.02D	X	---	X	---
Active Implement Guidance (VT)	Application 1100	2.71T	X	---	X	---
iGrade™	Application 1100	2.71T	X	---	X	---
Distance Trip	Application 1100	2.71T	X	---	X	---
Wireless Data Server	Wireless Data Server	2.432.2	X	---	X	---
*Apps	Connect Mobile App	6.0.0 or newer	X	---	X	---
Mobile Weather	Application 1120	1.51V	X	---	X	---

StarFire Receivers

StarFire Receivers can be updated in the following ways:

- Receiver USB port (available only for StarFire 6000 Receivers)
- Gen 4 display USB port
- Remote software updates application (in ISOBUS VT app)
- Service ADVISOR tool (John Deere dealers only)

Additionally, StarFire iTC Receivers are no longer supported with software update 2017-1 and newer software. StarFire 6000 Receivers require software version 3.80F or higher when used with AutoTrac Implement Guidance.

John Deere Operations Center

Activations/subscriptions required for Wireless Data Transfer (WDT) and Data Sync:

- A CommandCenter Premium activation or 4640 Premium Subscription is required to wirelessly transfer files.
- JDLink™ Ultimate + WDT + Remote Display Access (RDA) or JDLink Connect subscription

To use RDA on a Gen 4 CommandCenter Display with a GS3 2630 Display connected in the same machine, GS3 2630 software version 3.22.1095 (SU2014-1) or higher is required (for 4600 CommandCenter Display and 4640 Universal Display only).

GreenStar Rate Controller and GreenStar Rate Controller Dry

GreenStar Rate Controller Dry is supported with the 4600 CommandCenter Display with software update 2017-2 and newer. The 4600 CommandCenter Display and 4640 Universal Display support documentation and section control of up to five GreenStar Rate Controller units.

To update the GreenStar Rate Controller and GreenStar Rate Controller Dry, utilize a Gen 4 Display USB port. John Deere dealers can also utilize Service ADVISOR.

John Deere Rate Controller 2000

The Gen 4 Displays and John Deere Rate Controller 2000 can support documentation and control up to five operations. ISO controllers such as SeedStar on John Deere planters can be used with a John Deere Rate Controller 2000 that is documenting additional operations. Additionally, Gen 4 Displays can document shared sections with a John Deere Rate Controller 2000. An example of this would be John Deere Rate Controller 2000 used with a Raven Sidekick™ ICD direct injection pump.

For more information on Gen 4 displays and John Deere Rate Controller 2000 compatibility, please visit the John Deere Ag Sales Manual.

AutoTrac Universal 200, AutoTrac Universal 300, and AutoTrac Controller

AutoTrac Universal 200, AutoTrac Universal 300, and AutoTrac Controllers are for use with the 4640 Universal Display and 4240 Universal Display. Please see the AutoTrac Universal 200, AutoTrac Universal 300, or AutoTrac Controller Sales Manual for exact model compatibility.

ISOBUS implements

A software update performed by an authorized ISOBUS implement dealer may be required to obtain compatible software. ISOBUS implements must be certified through the Agricultural Industry Electronics Foundation (AEF) to be recognized by the Gen 4 CommandCenter display. Visit www.aef-online.org for more information; visit www.aef-isobus-database.org for an active list of compatible implements.

ISOBUS implements with VT4 are now supported by Gen 4 Displays. Gen 4 Displays still support older VT versions (example: VT2 and VT3). If an implement is not loading after updating to Gen 4 software update 2017-2 (or newer on 4600 CommandCenter v2 processors), it is recommended that the implement manufacturer be contacted to get a software version that is either VT3 or VT4.

Implements without controllers

Implements without controllers can be documented as a stand-alone operation or with a rate controller from John Deere. Implements without controllers cannot be documented with an implement that has control units. Additionally, multiple implements without controllers cannot be documented together.

AutoTrac Turn Automation

AutoTrac Turn Automation is available on the 4600 CommandCenter Display and is compatible with the 4640 Universal Display installed in Final Tier 4 (FT4) tractors. Additionally, AutoTrac Turn Automation is not compatible with Easy Fold on SeedStar 4HP planters or TruSet Tillage technology.

AutoTrac Implement Guidance (passive)

AutoTrac Implement Guidance is not compatible with the SeedStar 4HP planters with Easy Fold. Software update 18-1 with a Gen 4 Automation 1.0 Activation or 4640 Automation 1.0 Subscription are required to use AutoTrac Implement Guidance (passive).

Extended monitor

When using an extended monitor with equipment visualized in ISOBUS VT Viewer and applying VT run page modules to two run pages shown at the same time, the extended monitor's VT modules will not update. To mitigate this, only view VT modules on one run page at a time.

Camera compatibility

Voyager® cameras are supported on Gen 4 Displays. All other camera types are not supported.

Non-John Deere Precision Ag

4600 CommandCenter Display v2 and the 4640 Universal Display are now compatible with the following RS-232 configurations with software update 18-2:

- GPS receivers with serial port connection
 - Will not enable AutoTrac guidance functionality
- Raven RS-232 control units (440, 450, or 660) on tractors configured as implement-based applications
- Gen 4 displays are not compatible with the DN345 Drawn Dry Spreader at this time.

Machine Communication Radio (MCR)

Gen 4 displays are not compatible with MCR.

Mobile Data Transfer (MDT)

Gen 4 displays are not compatible with MDT devices at this time.

APEX™ software

- Gen 4 display work data is not compatible with and cannot be viewed in APEX software.
- USB files including pre-assigned APEX tasks and iTEC™ Pro sequences will not import into Gen 4 displays.

NOTES:

- *CommandCenter Premium activation/4640 Premium subscription as-applied data is only compatible with the John Deere Operations Center. CommandCenter Premium activation is machine specific and cannot be transferred to a different machine. If not using WDT, an 8- to 32-GB USB is required to transfer data to and from the Gen 4 Display. Implement settings are display specific and cannot be imported or exported from the Gen 4 Display.*
- *Precision Ag applications, such as Documentation and Section Control with a 4640 Universal Display, require GreenStar ready capability and a StarFire 3000 or StarFire 6000 Receiver. Third-party controllers and receivers are not compatible.*

Hagie is a trademark of Hagie Manufacturing Company, LLC and similar to John Deere branded equipment, John Deere will support Hagie equipment. Reichhardt is a trademark of Reichhardt GmbH Steuerungstechnik. Sidekick is a trademark of Raven Industries, Inc. Voyager is a trademark of ASA Electronics, LLC.
