

# Generation 4 display compatibility -

[docs/sales/salesmanual/lighter\\_HTML/sales/salesmanual/en\\_NA/ams/2021/feature/command\\_center/cc\\_premium\\_compat.html](docs/sales/salesmanual/lighter_HTML/sales/salesmanual/en_NA/ams/2021/feature/command_center/cc_premium_compat.html)

This document lists all the compatible equipment approved with the software update 21-1 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, Generation 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.

The software update 21-1 release is only compatible with 4600 CommandCenter™ v2 processors. Software update 17-2 is the last release that was compatible with 4600 v1 processors.

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		Universal Display	
		4600 v2	4200	4640	4240
<b>9R/9RT/9RX Series</b>	2018 and newer	X	---	X	X
<b>9R/9RT/9RX Series</b>	2015-2017	*	---	X	X
<b>9R/9RT Series</b>	2012-2014	---	---	X	X
<b>9030/9030T Series</b>	2008 and newer	---	---	X	X
<b>9020/9020T Series</b>	2002-2007	---	---	X	---
<b>9000 Series</b>	1997-2001	---	---	X	---
<b>9000T Series</b>	2000-2001	---	---	X	---
<b>8R/8RT Series</b>	2018 and newer	X	---	X	X
<b>8R/8RT Series</b>	Mid-2014 - 2017	*	---	X	X
<b>8R/8RT Series</b>	2010-2013	---	---	X	X
<b>8030/8030T Series</b>	2006 and newer	---	---	X	X
<b>8020/8020T Series</b>	2002-2005	---	---	X	---
<b>8010/8010T Series</b>	2000-2002	---	---	X	---
<b>8000 Series</b>	1994	---	---	X	---
<b>8000T Series</b>	1997-1999	---	---	X	---
<b>7R Series</b>	2018 and newer	X	X	X	X
<b>7R Series</b>	2014-2017	*	---	X	X
<b>7R Series</b>	2011-2013	---	---	X	X
<b>7J Series</b>	2018 and newer	---	---	X	X
<b>7030 Series</b>	2007 and newer	---	---	X	X

<b>7030 Series (Large Frame)</b>	2007 and newer	---	---	X	X
<b>7030 Series (Small Frame)</b>	2006 and newer	---	---	X	X
<b>7020 Series</b>	2003-2007	---	---	X	X
<b>6030 Series (Small Frame)</b>	2006 and newer	---	---	X	X
<b>6R Series</b>	2018 and newer	X	X	X	X
<b>6R Series (Final Tier 4)</b>	2015-2017	*	---	X	X
<b>6R Series (Interim Tier 4)</b>	2013-2015	---	---	X	X
<b>6M Series</b>	2013 and newer	---	---	X	X
<b>6J Series</b>	2018 and newer	---	---	X	X
<b>5R Series</b>	2019 and newer	---	---	X	X

\*NOTE: For latest Precision Ag functionality, update machines equipped from the factory with v1 processor to v2.

NOTE: 21-1 includes compatibility for certain CCD tractors that do not offer VIN detection.

### John Deere Nutrient Applicators

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

### John Deere Self-Propelled Sprayers

John Deere self-propelled sprayers	Model year	CommandCenter		Universal Display	
		4600 v2	4200	4640	4240
<b>400 and 600 Series Sprayers/4023</b>	2022 and newer	X	---	---	---
<b>4 Series Sprayers</b>	2018 and 2021	X	---	---	---
<b>4 Series Sprayers</b>	2013 - 2017	---	---	X**	---
<b>4940</b>	2012 - 2014	---	---	X**	---
<b>4630</b>	2008 and newer	---	---	X**	---
<b>4730</b>	2008 and newer	---	---	X**	---
<b>4830</b>	2008 - 2014	---	---	X**	---
<b>4930</b>	2008 - 2013 (serial number 4000+)	---	---	X**	---
<b>Hagie™ sprayers</b>	2014 and newer	Compatible with GreenStar™ 3 2630 Displays and 4640 Universal Displays*			

\*NOTE: When using the 4640 Universal Display on a Hagie Sprayer, additional mounting and harnessing may be required.

- 4640 RAM™ mount - SJ34503
- 4640 power/video harness - BPF11527 (1-3 video plus machine power), PF90687 (machine power only)

NOTE: Current John Deere/Hagie field kits only offer GreenStar 3 2630 Display parts.

NOTE: Multi-rank section control are not supported on Hagie at this time.

NOTE: VIN detection on Hagie Sprayers is only supported on model year 2019 and newer machines.

NOTE: 21-1 Software allows the Gen 4 4640 Universal Display to control the Hagie/Montag Fortifier configuration.

\*\*NOTE: The 4640 Universal Display will replace the GreenStar 3 2630 Display on the armrest. Dual display with the GreenStar 3 2630 Display is not supported with sprayers. Adding the 4640 Universal Display will disable the assignable buttons located on the sprayer armrest.

**John Deere Self-Propelled Forage Harvesters (SPFH)**

John Deere SPFH	Model year	CommandCenter		Universal Display	
		4600 v2	4200	4640	4240
<b>9000 Series SPFH</b>	2019 and newer	---	---	X	---
<b>8000 Series SPFH</b>	2015 and newer	---	---	X	---

*NOTE: When adding the 4640 Universal Display to a John Deere SPFH, it will only be compatible as a precision ag display and is installed on the side rail.*

*NOTE: For 21-1, the HMS sensor is no longer required.*

**John Deere Combines**

John Deere Combines	Model year	CommandCenter		Universal Display	
		4600 v2	4200	4640	4240
<b>S700 Series</b>	2018 and newer	X	---	---	---
<b>S430 and S440</b>	2017 and newer	X	---	---	---
<b>S600 Series</b>	2012 - 2017	---	---	X*	X*
<b>S540 and S550 Series</b>	2012 and newer	---	---	X*	X*
<b>T-Series</b>	2012 and current	---	---	X*	X*
<b>70 Series</b>	2008 - 2013	---	---	X*	X*
<b>60 Series</b>	2004 - 2007	---	---	X*	---
<b>50 Series</b>	2000 - 2003	---	---	X*	---

*NOTE: Competitive equipment may be compatible with 4640 Universal Display and 4240 Universal Display. For additional compatibility information, contact a John Deere dealer.*

*\*NOTE: When adding the 4640 Universal Display to a John Deere combine, it will only be compatible as a cornerpost precision ag display.*

*NOTE: RowSense™ sensor voltage readings and sensor offsets are displayed on Original GreenStar Monitor emulator on 50, 60, and 70 Series Combines.*

**John Deere Cotton Harvesters**

John Deere Cotton Harvesters	Model year	CommandCenter		Universal Display	
		4600 v2	4200	4640	4240
<b>CP690</b>	2015 and newer	---	---	X	---
<b>CS690</b>	2015 and newer	---	---	X	---

*NOTE: Update cab controller software to the latest version on model year 2017 and newer cotton harvesters to use Harvest Identification, Cotton Pro.*

*NOTE: When adding the 4640 Universal Display to a John Deere Cotton Harvester, it will only be compatible as a cornerpost precision ag display.*

**John Deere Self-Propelled Windrowers**

John Deere Self-Propelled Windrowers	Model year	CommandCenter		Universal Display	
		4600 v2	4200	4640	4240
<b>W235</b>	2014 and newer	---	---	X	X
<b>W260</b>	2015 and newer	---	---	X	X

*\*NOTE: When adding the 4640 Universal Display to a John Deere self-propelled windrower, it will only be compatible as a cornerpost precision ag display.*

## 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 Generation 4 OS software version 10.10.404-390 or newer and the most current version of tractor applications to be compatible with SeedStar 4HP planter applications. Additionally, dual-display mode is available for use with SeedStar 4HP planter applications, along with Generation 4 Extended Monitor. SeedStar 4HP planters are compatible with no more than two GreenStar Rate Controllers.

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 Generation 4 display.

A Service ADVISOR™ tool (available at a John Deere dealer) 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 (or newer)	CommandCenter		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
	Green PM1	10.11	---	---	---	---
	Green PA1 (if available PA 2)	10.11	---	---	---	---
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)	6.0	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
	Planter Apps	10.4.332-12	X	---	X	---
	Planter Main A (PMCA)	6.0	X	---	X	---
	Planter Main B (PMCB or	10.0	X	---	X	---

<b>SeedStar 4HP</b>	MMC)					
	Row-unit Controller (RUC)	4.0	X	---	X	---
	Electrical Power Generation (EPG)	5.0	X	---	X	---
	Electrical Power Module, 2 (PC2)	4.0	X	---	X	---
<b>ExactRate™ liquid fertilizer system</b>	Master Nozzle Control Unit (MNC)	2.0	X	---	X	---
	Spray Rate Control Unit (SRC)	2.0	X	---	X	---
	Liquid Blockage Controller (LBC)	2.0	X	---	X	---
	Nozzle Control Unit (Nzc)	6.04	X	---	X	---
	ExactRate app	10.1.269- 64	X	---	X	---

*\*NOTE: For implements requiring ground speed input (radar), utilizing a 4240 Universal Display may require an additional 4240 radar speed kit.*

### John Deere Air Seeders

The C650 and C850 Air Carts and N500C Seeder require a 4600/4200 CommandCenter Display or a 4640/4240 Universal Display. GreenStar 3 2630 monitors are not supported. Additionally, tow-behind C850 Air Carts are compatible with AutoTrac™ Implement Guidance (passive) with software update 18-2 and newer.

John Deere Air Seeder	Model year/control unit name	Software version (or newer)	CommandCenter		Universal Display	
			4600 v2	4200	4640	4240*
<b>C650/850 Air Cart</b>	Cart Master Controller (CMC)	3.0	X	X	X	X
	Mini Tank Controller (TCX)	2.0	X	X	X	X
	Front, Middle, Rear Tank Controller (TCU)	2.0	X	X	X	X
<b>1870 Seeding Tool</b>	2017 and	5.0	X	X	X	X

<b>- TruSet™ system</b>	newer (IDC)					
<b>1870 Seeding Tool - RelativeFlow™ blockage sensors</b>	2017 and newer (BMU)	6.0	X	X	X	X
<b>1910 Air Cart - ground drive</b>	2009 and newer	3.0	X	X	X	X
<b>1910 Air Cart - hydraulic drive</b>	2013 and newer	11.0	X	X	X	X
<b>Seeding tools with air-run blockage - primary blockage</b>	2009 and newer (BMU)	12.0	X	X	X	X
<b>Seeding tools with air-run blockage - air-run blockage</b>	2009 and newer (BMU)	12.0	X	X	X	X
	Member Module	5.0	X	X	X	X
<b>1990 Central Commodity System (CCS™)</b>	2009 and newer (BMU)	12.0	X	X	X	X
<b>N500C Series</b>	Seeder apps	10.2.19-13	X	---	X	---
	SMCA or SMC	4.0	X	---	X	---
	SMCB or BMU	3.0	X	---	X	---
	EPG	3.0	X	---	X	---

\*NOTE: For implements requiring ground speed input (radar), utilizing a 4240 Universal Display may require an additional 4240 radar speed kit.

**John Deere Tillage**

<b>John Deere Tillage</b>	<b>Control unit name</b>	<b>Software version (or newer)</b>	<b>CommandCenter</b>		<b>Universal Display</b>	
			<b>4600 v2</b>	<b>4200</b>	<b>4640</b>	<b>4240</b>
<b>AccuDepth™ cultivator</b>	Implement Depth Control (IDC)	11	X	X	X	X
<b>2730 with TruSet</b>	Tillage Controller 1 (TC1)	2.66K9	X	X	X	X
<b>2230 with TruSet</b>	Tillage Controller 1 (TC1)	2.75K6	X	X	X	X
<b>2330 with TruSet</b>	Tillage Controller 1 (TC1)	2.35K6	X	X	X	X
<b>2620/2630 with TruSet</b>	Tillage Controller 1 (TC1)	2.95K6	X	X	X	X
<b>2720 with TruSet</b>	Tillage Controller 1 (TC1)	2.24K6	X	X	X	X

<b>2660VT with TruSet</b>	Tillage Controller 1 (TC1)	3.03K12	X	X	X	X
<b>2430 with TruSet</b>	Tillage Controller 1 (TC1)	2.14K4	X	X	X	X
<b>2510H with TruSet</b>	Tillage Controller 1 (TC1)	2.85K5	X	X	X	X

*\*NOTE: For implements requiring ground speed input (radar), utilizing a 4240 Universal Display may require an additional 4240 radar speed kit.*

### John Deere Round Balers

John Deere Round Balers	Control unit name	Software version (or newer)	CommandCenter		Universal Display	
			4600 v2	4200	4640	4240
<b>0 Series</b>	Baler Automation	10.07	X	X	X	X
<b>9 Series Premium</b>	Baler Automation	7.16	X	X	X	X
<b>V451R/V461R</b>	Baler Automation	11.5	X	X	X	X

### John Deere Large Square Balers

John Deere Large Square Balers Including Harvest Tec applicator and PhiBer accumulator	Control unit name	Software version (or newer)	CommandCenter		Universal Display	
			4600 v2	4200	4640	4240
<b>0 Series</b>	Gen 4 VT	3.04	X	X	X	X
<b>1 Series</b>	Gen 4 VT	5.07	X	X	X	X

### Precision Ag Technology software compatibility

John Deere control units	Control unit name	Software version (or newer)	CommandCenter		Universal Display	
			4600 v2	4200	4640	4240
<b>*StarFire 6000 Receiver</b>	---	4.40P	X	X	X	X
<b>StarFire 6000 Integrated Receiver</b>	---	4.40P	X	X	X	X
<b>StarFire 3000 Receiver</b>	---	2.80S	X	X	X	X
<b>*Modular Telematics</b>						

<b>Gateways (MTG) - 3G</b>	---	21.03	X	X	X	X
<b>*MTG - 4G</b>	---	27.01.541	X	X	X	X
<b>GreenStar Rate Controller</b>	---	3.70K	X	X	X	X
<b>GreenStar Rate Controller Dry</b>	---	2.11A	X	X	X	X
<b>*John Deere Rate Controller 2000</b>	---	1.13A	X	X	X	X
<b>*AutoTrac Universal 200</b>	---	2.30A	---	---	X	X
<b>*AutoTrac Universal 300</b>	---	3.24A	---	---	X	X
<b>AutoTrac Controller 300</b>	---	3.24A	---	---	X	X
<b>AutoTrac Controller 250</b>	---	11933B	---	---	X	X
<b>*AutoTrac Controller - Deere</b>	---	1.11B	---	---	X	X
<b>AutoTrac Controller - Raven</b>	---	10.13.909-158	---	---	X	X
<b>AutoTrac Controller - Reichhardt®</b>	---	SW 1.3	---	---	X	X
<b>AutoTrac RowSense</b>	RG3	AKK15783H	X	---	X	---
<b>AutoTrac Vision</b>	VGC	4.01V	X	---	X	---
<b>AutoPath</b>	---	20-3	X	---	X	---
<b>AutoTrac Turn Automation</b>	---	19-3	X	---	X	---
<b>AutoTrac Implement Guidance</b>	---	19-3	X	---	X	---
<b>Machine Sync</b>	---	20-3	X	---	X	---
<b>Active Implement Guidance (VT)</b>	Application Controller 1100	2.71Z	X	X	X	X
	Application Controller 1100 (serial number PCXL01C201000-)	3.16E	X	X	X	X
<b>iGrade™</b>	Application 1100	2.71Z	X	X	X	X
	Application Controller 1100 (serial number PCXL01C201000-)	3.16E	X	X	X	X



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<b>Distance Trip</b>	Application 1100	2.71Z	X*	X	X	X
	Application Controller 1100 (serial number PCXL01C201000-)	3.16E	X*	X	X	X
<b>Yield Documentation, Specialty Crop</b>	Application Controller 1120	1.51Y	X	X	X	X
	Application Controller 1120 (serial number PCXL02C201000-)	3.16E	X	X	X	X
<b>Mobile Weather</b>	Application Controller 1120	1.51Y	X	X*	X	X*
	Application Controller 1120 (serial number PCXL02C201000-)	3.16E	X	X*	X	X*
<b>Harvest Identification, Cotton</b>	Application Controller 1120	1.51Y	---	---	X	---
	Application Controller 1120 (serial number PCXL02C201000-)	3.16E	---	---	X	---
<b>Gen 4 Extended Monitor</b>			X	---	X	---
<b>Wireless Data Server</b>	Wireless Data Server	1.591.2 (Planting) 7.564.1 (Application) 2.573.1 (Harvesting)	X	---	X	---
<b>Mobile Data Transfer</b>	MyTransfer™ app	3.8.6 (iOS®) 3.8.5 (Android™)	X	X	X	X
<b>Connect Mobile app</b>	Connect Mobile app	8.4.0 or newer	X	---	X	---
<b>Connect Mobile server</b>	Connect Mobile server	2.3.113-1	X	---	X	---
<b>Manure Constituent Sensing</b>	Manure Controller	19.06	X	---	X	---

\*NOTE: See additional information below.

### StarFire Receivers

StarFire Receivers can be updated in the following ways:

- Receiver USB port (available only for StarFire 6000 Receivers)
- Generation 4 display USB port
- Remote software updates application (in ISOBUS VT app)

## **John Deere Operations Center**

To use RDA on a Generation 4 CommandCenter Display with a GreenStar 3 2630 Display connected in the same machine, GreenStar 3 2630 software version 3.22.1095 (SU2014-1) or higher is required (for 4600 CommandCenter Display and 4640 Universal Display only).

## **GreenStar Rate Controller Dry**

GreenStar Rate Controller Dry (GDC) 2.11A was the last software version available through Software Manager. GDC 2.20A has been available since spring 2015 and contains diagnostic language updates. This software can only be obtained through Service ADVISOR.

## **John Deere Rate Controller 2000**

The John Deere Rate Controller 2000 will not control the planter clutches or half-, third-, or quarter-width disconnects on a John Deere planter.

## **AutoTrac Vision**

AutoTrac Vision Guidance is only compatible with Generation 4 18-1 software 10.10.404-345 or newer.

## **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 a John Deere dealer for exact model compatibility.

## **ISOBUS implements**

Generation 4 displays support two Agricultural Industry Electronics Foundation (AEF) certified ISOBUS control units. The use of two ISOBUS control units is limited to the configuration of one front and one rear implement. The use of multiple ISOBUS control units as rear implements is not supported. Generation 4 displays support 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.

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 Generation 4 CommandCenter Display. Visit [www.aef-online.org](http://www.aef-online.org) for more information; visit [www.aef-isobus-database.org](http://www.aef-isobus-database.org) for an active list of compatible implements.

ISOBUS implements with VT4 are now supported by Generation 4 displays. Generation 4 displays still support older VT versions (example: VT2 and VT3). If an implement is not loading after updating to Generation 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.

## **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.

## **Implements without controllers**

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

## AutoPath

AutoPath is compatible with 4600CommandCenter (v2 server) and 4640 Universal Displays running 20-3 or later software. AutoPath required specific source operation data (including an implement receiver) - gathered during the 1st field operation of the year.

For more information on AutoPath functionality and requirements, please refer to the Value Selling Navigator.

## AutoTrac Implement Guidance (passive)

- AutoTrac Implement Guidance is compatible with SeedStar 4HP, SeedStar 3 HP, SeedStar 2, and SeedStar XP.
- AutoTrac Implement Guidance is compatible 1990CCS Seeders as well as 1910, C650, and C850 Tow-Behind Air Carts.
- AutoTrac Implement Guidance is NOT compatible with N500C seeding tools and tow between air carts.
- For more information on AutoTrac Implement Guidance, refer to the Sales Manual.

## AutoTrac Turn Automation

To use the AutoTrac Turn Automation application, specific compatibility is required. AutoTrac Turn Automation is compatible with the following machines:

- 8030 Series Tractors
- 9030 Series Tractors (if equipped with PowerShift™ transmission)
- Model year 2012 and newer 6R Tractors (if equipped with Infinitely Variable Transmission [IVT™] and ITEC™ functionality)
- Model year 2011 and newer 7R Tractors (if equipped with CommandQuad™ transmission, e23™ PowerShift transmission, or IVT)
- Model year 2010 and newer 8R/RT Tractors
- Model year 2012 and newer 9R/RT/RX Tractors

*NOTE: Integrated tractor IMS must be turned off on 30 Series Tractors to use AutoTrac Turn Automation on the Generation 4. Integrated Tractor iTEC must be turned off on the following tractors to use AutoTrac Turn Automation on the Generation 4:*

- *Model year 2012-2014 6R*
- *Model year 2011-2013 7R*
- *Model year 2010-2013 8R*
- *Model year 2012-2014 9R*

*NOTE: If instead an operator chooses to use the machine's integrated IMS/iTEC functionality, then AutoTrac Turn Automation and iTEC must be turned off in the Generation 4 Universal Display.*

AutoTrac Turn Automation is compatible with SeedStar 4 HP, SeedStar 3 HP, SeedStar 2, and SeedStar XP planters, 1990CCS Seeders, and 1910, C650, and C850 Tow-Behind Air Carts.

AutoTrac Turn Automation is compatible with N500C Series Air Tools with selective control valves (SCVs) operating in manual mode. See the "Additional Information" section of DTAC solution [115995](#) for more information.

AutoTrac Turn Automation is NOT compatible with the following implements and implement configurations:

- Front-mounted implements
- Tow-between air carts
- Multiple implements pulled in series where the work piece is not connected directly to the tractor

For more information on AutoTrac Turn Automation, refer to the Sales Manual.

## Machine Sync

### Supported leader platforms

- Combine:
  - X Series Combines, S Series Combines, W Series Combines, T Series Combines, 70/60/50 Series Combines
- Self-Propelled Forage Harvesters
  - 9000 Series and 8000 Series
- John Deere Tractors
  - John Deere tractors with Gen 4 4600 CommandCenter Displays and John Deere tractors compatible with the Gen 4 4640 Universal Display

### Supported follower platforms

- John Deere tractors (wheeled models)
  - 6R Tractors with Infinitely Variable Transmission (IVT™) (iTEC™ functionality required)
  - 7R Tractors with CommandQuad™ Eco transmission, e23™ transmission, and IVT
  - 8030 Tractors with PowerShift™ transmission and IVT
  - 8R Tractors with PowerShift, IVT, and e23 transmission
  - 9030 Tractors with PowerShift transmission
  - 9R Tractors with PowerShift transmission with Efficiency Manager™ feature
- John Deere tractors (tracked models)
  - 8RT/8RX Tractors with PowerShift, IVT, and e23 transmission
  - 9RT/9RX Tractors with PowerShift transmission with Efficiency Manager feature
- *NOTE: John Deere 8030T and 9030T models are not compatible with Machine Sync.*

## Reprogramming Application Controllers 1100 and 1120

4600 CommandCenter v1 does not support reprogramming on the UCC2 version of Application Controller 1100 and 1120. Service ADVISOR or compatible displays may be used.

## Distance Trip documentation/Yield Documentation, Specialty Crop

A UCC2 Application Controller 1100 with 19-2 software or newer, running on a 4600 CommandCenter v2 server enables documentation of field operations. If a UCC2 replaces a UCC1 Application Controller 1100 on a CommandCenter v1 server, documentation is not available.

## Camera compatibility

Voyager® cameras are supported on Generation 4 displays. All other camera types are not supported.

## Non-John Deere Precision Ag

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

- Global positioning system (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
- Generation 4 displays are not compatible with the DN345 Drawn Dry Spreader at this time.

4600 CommandCenter v2 and the 4640 Universal Display are compatible with the following RS-232 configurations with software update 20-3 and newer:

- Yara N-Sensor
- Fritzmeier

- Trimble® GreenSeeker®
- LH 5000

## Machine Communication Radio (MCR)

Generation 4 displays are not compatible with MCR.

## APEX™ software

- Generation 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 Generation 4 displays.

*NOTE: Gen 4 data is only compatible with the John Deere Operations Center. All Gen 4 activations are 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.*

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## Dealer Use Only:

The 4240 radar speed kit is required with implements that need a ground speed input (radar) when being pulled by a tractor not supplying ground speed from the Tractor Equipment Control Unit (TECU). Tractors equipped with integrated AutoTrac will have a TECU that supplies ground speed input.

For compatibility with AutoTrac Universal and AutoTrac Controller, see the Sales Manual.

For data transfer options, see [Options for moving display data to John Deere Operations Center](#).

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

For complete Connect Mobile compatibility, reference [Connect Mobile configurations](#).

Additional machine-based recording triggers are available within the virtual (non-detected) tractor machine profile. Examples of these recording triggers would include SCVs, PTO, hitch, etc. This is only available on machines that publish recording triggers on the controller area network (CAN) bus for displays to use.