Offline - Display and CommandARM™ Simulator

Help Guide

- GS2 1800 Display
- GS3 CommandCenter™ Display
- GS3 2630 Display
- Generation 4 CommandCenter™ Display

Last Updated: February 2017

Applies to Offline Simulator Version: 2.14

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Offline-Display and CommandARM™ Simulator is an application that can be installed on a Microsoft Windows® computer with multiple installation packages.

The purpose of this simulator is for supporting and learning to use John Deere displays and associated equipment software. The simulator replicates the display software, equipment controller software and connected sensors. There may be slight differences from the actual software.

What's New in Release 2.14

- Several miscellaneous improvements.

Known Issues in Offline Version:

- GS3 2630 will not load on some Windows 8 and Windows 10 computers.
- Gen 4 CommandCenter™ is no longer available to download for use with offline simulator. Due to technical and usability considerations, it had not been updated from Software Update 2015-1 for offline use. Gen 4 CommandCenter™ simulation is now only available online.
- StarFire 6000 intermittently stops working in offline version.
- Several CommandARM™ buttons are not yet functional.
- Machine / implement simulations take about 10-30 seconds to fully load after display loads. Button presses on simulator during this time may be slow to respond.
- On rare occasions, the following GS3 2630 simulator issues may occur, particularly on computers with limited CPU availability. Restart simulator to correct these issues:
    1. Changing field names causes GS3 2630 to respond slowly and implement simulators to fail.
    2. Data and settings do not save intermittently.
    3. Machine icon on map stops moving.
    4. Machine icon on map moves in reverse.

Refer to Information sections of this document for known limitations, additional information, and operating instructions for each machine.

Refer to Troubleshooting Section for computer specific items.

Minimum System Requirements

- **Operating System:**
    - Microsoft Windows® 7 (32 & 64-bit)
        - May work on some Microsoft Windows® XP, 8, and 10 computers
        - Requires Microsoft Redistributable packages
            - C++ 2005 Redistributable version 8.0.61001
            - C++ 2010 Redistributable version 10.0.40219
            - C++ 2013 Redistributable version 12.0.21005
            - Microsoft .NET Framework 4.0

    NOTE: Microsoft ended support for Windows XP in 2014 and therefore simulator support for Windows XP has ended also.

- **4 GB of RAM Recommended:**

- If running Generation 4 CommandCenter with only 2GB of RAM, you many need to uncheck the option for  Tractor (or Machine) Simulation for the simulator to perform well.
- The simulator will generally work fine with 2 GB of RAM if not running many other applications at the same time.

- **Dual core processor**
- **Screen Resolution:** The simulator is optimized for 1280 x 800, but will work with most resolutions. Utilizing a HDMI or Display Port cable will provide better resolution for viewing on projectors and TVs.
- **Internet Connection:** The simulator requires an internet connection to register at least every 50 uses.

Overview

There are two ways that machines and implements are simulated:

Actual – The software from the product is used, so that it is as accurate as possible. Equipment sensor signals are simulated.

Simulated – User interface is recreated. Expect pages to be fairly realistic, but there may be some inconsistencies with the actual product.

Machines	Models	Model Year	Type
Tractor	None	---	Simulated
Tractor[1]	7R, 8R	2014	Actual
Self-Propelled Sprayer	4730, 4830	2010	Actual
Combine	S-series	2012	Actual
Cotton Harvester	CP690, CS690 7660, 7760	2016 2012	Actual
Sugar Cane Harvester	CH330, 3520 CH570	2014 2015	Actual
SPFH	None	---	Simulated

Implements	Models		Type
Air Cart	1910	2014	Actual
Air Seeder	1990 CCS	2012	Simulated
Baler	469, 569 Premium L330, L340	2015 2016	Actual
Planter	1720, 1770NT, 1790 1775NT	2012 2016	Simulated

Displays	Models		Type
GS2 1800		2013	Actual
GS3 2630		2016	Actual
GS3 CommandCenter™		2015	Actual

Technology Solutions	Models		Type
Active Implement Guidance		2016	Simulated
AutoTrac™ Controller – Raven®		2016	Simulated
AutoTrac RowSense™		---	Simulated
AutoTrac™ Universal		2010	Actual
Business Pack (Europe only)		---	Actual
GreenStar Rate Controller		2012	Actual
GreenStar Rate Controller Dry		2012	Actual
Harvest ID Cotton		2011	Simulated
Machine Sync Shared Data		---	Actual
Mobile Weather		2011	Simulated

StarFire™ Receiver	3000 6000	2011 2016	Actual
Wireless Data Transfer		---	Actual

Notes:

1 – 7R and 8R tractors are only available with selection of Generation 4 CommandCenter™ display.

2 – Raven is a registered trademark of RAVEN Industries

Installation and Updates

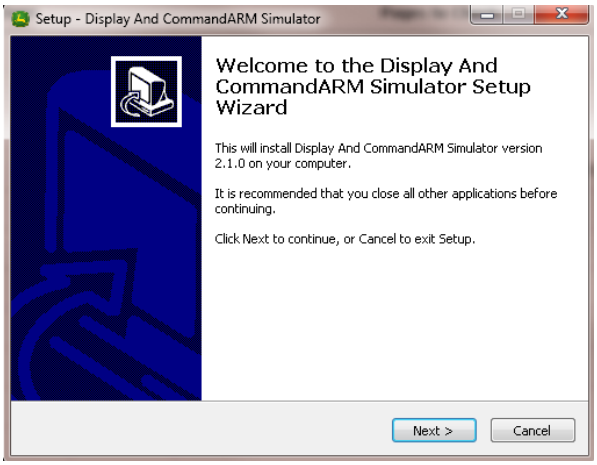
Installing the Display and CommandARM™ Simulator

This installer includes all machines, implements, and displays except Gen 4 CommandCenter™.

NOTE: Register after installation to use more than 5 times.

1. Download the Display and CommandARM™ Simulator Installer from www.StellarSupport.com (Training tab).

   Run the installer **DisplayAndCommandARMSimulator.exe** and follow the prompts to install.



Un-installation

Windows XP

1. Select ***Start -> Settings -> Control Panel -> Add or Remove Programs***
2. Select ***Display and CommandARM Simulator*** and select ***Remove***
3. Select ***Generation 4 Display Package*** and select ***Remove***

Windows 7

1. Select ***Start*** -> ***Control Panel*** -> ***Programs and Features***
2. Select ***Display and CommandARM Simulator*** and select ***Uninstall***
3. Select ***Generation 4 Display Package*** and select ***Uninstall***

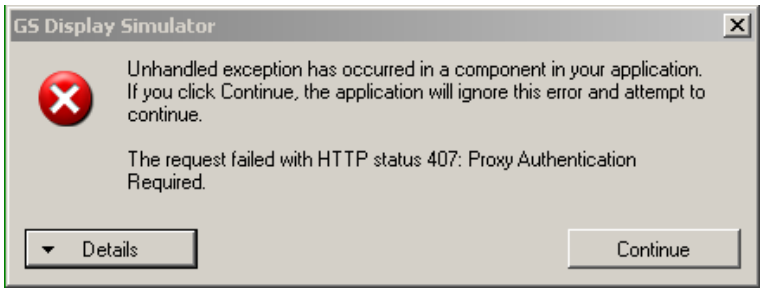
Registration

Registration is required to use the simulator more than 5 times. The simulator may be used up to 50 times without an internet connection after registering.

Open the Simulator

1. Select **Display and CommandARM™ Simulator** on the computer desktop. The simulator may take 5 – 15 seconds to open.

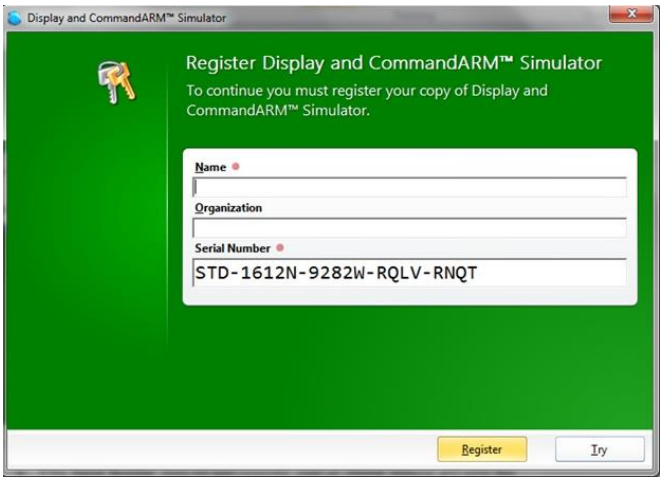
   NOTE: The following error, Unhandled exception (status 407), may appear if the internet connection is through a proxy server the simulator has not been registered. Select  *and follow the steps below for registering with an internet connection through a proxy server.*



   *NOTE: The following error, **Internet Proxy Configuration**, may also appear if the internet connection is through a **proxy server or VPN server**. Select **Cancel** and the simulator will work like it is not connected to the internet.*

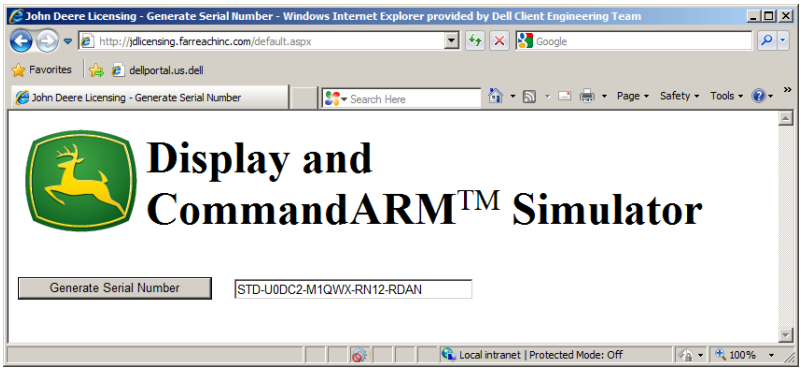
Register the Simulator

1. Select Register
2. Enter your ***Name*** and if the ***Serial Number*** auto-populates, select ***Register***.



a. If the ***Serial Number*** does not auto-populate, open an internet browser and enter this website http://jdlicensing.farreachinc.com/.

b. Select Generate Serial Number



c. ***Copy*** the Serial Number and ***paste*** it into the Registration window. Then select ***Register***.

3. The simulator will automatically complete registration.

   NOTE: The simulator requires an internet connection at least every 50 uses to renew the license. Simply connect your computer to the internet and start the simulator. The license will renew automatically.

Register the Simulator with (VPN) Proxy Server Internet Connection

There are three options; if one does not work, try another:

Option 1:

1. Close all simulator windows
2. Open ***Internet Explorer*** 

and browse to an external website.

   NOTE: This temporarily configures the proxy server settings used by the simulator.
3. ***Close*** Internet Explorer 
4. Select ***Display and CommandARM Simulator*** on the computer desktop

5. Follow the steps for Registering the Simulator

Option 2:

1. Close all simulator windows
2. Open ***Internet Explorer*** and browse to this website: http://jdlicensing.farreachinc.com
3. Select ***Generate Serial Number*** and ***Copy*** the Serial Number
4. Select **Display and CommandARM™ Simulator** on the computer desktop
5. ***Paste*** the serial number into the Registration window
6. Select ***Register***.

Option 3:

1. Obtain internet access through an outside line that does not use a proxy or VPN server.
2. Complete the normal registration.

   *NOTE: With any of these options, the following error (**Internet Proxy Configuration**) will appear when opening the simulator. Select **Cancel** and the simulator will work like it is not connected to the internet. Options 1, 2, or 3 will need to be repeated to reset the usage count to 50.*

Languages

The following languages are supported by the simulator.

Bulgarian	Estonian	Italian	Russian
Chinese	Finnish	Latvian	Serbian
Croatian	French	Lithuanian	Slovak
Czech	German	Norwegian	Slovenian
Danish	Greek	Polish	Spanish
Dutch	Hungarian	Portuguese	Swedish
English	Icelandic	Romanian	Turkish

Changing the Language on the Setup Page

The simulator setup page language will be set automatically by the computer's operating system.

1. ***Start*** menu on the computer
2. ***Control Panel***
3. ***Region and Language***

Changing the Language on the GS2 1800 and GS3 CommandCenter™ Displays

1. ***Menu*** 
2. ***Display*** 
3. ***Settings*** 

4. Scroll to list box and select language 

Changing the Language on the GS3 2630 Display

1. ***Menu*** 
2. ***Display Settings*** 
3. ***Global Settings*** 
4. ***Regional*** tab

Changing the Language on the Gen4 Command Center Display

1. ***Menu*** 

2. ***System*** 

3. ***Language and Units*** 

4. Select the language by selecting from the drop down for the option 

Getting Started

Open the Simulator

Select  **Display and CommandARM™ Simulator** on the computer desktop. The simulator may take 5 – 15 seconds to open.

Navigation

Next

Previous

Close

Minimize

Settings and Software Updates

Ignition Key

Help

Insert / Remove USB drive to display

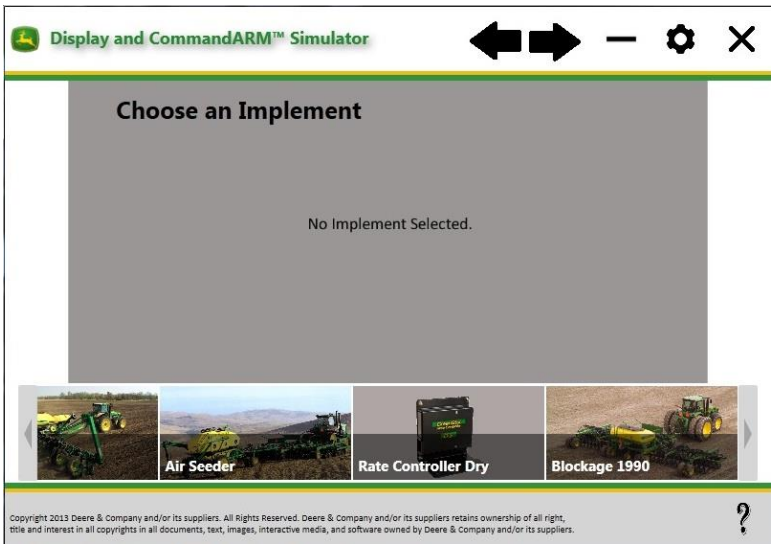
(GS2 1800, GS3 CommandCenter™, and GS3 2630 displays only)

Screen Capture

1. Choose a Machine

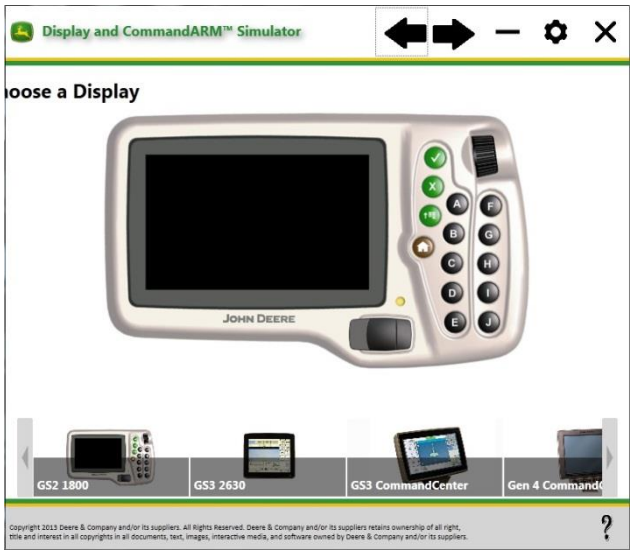
2. Choose an Implement

If you chose Tractor as the machine, then you will be prompted to choose an implement.



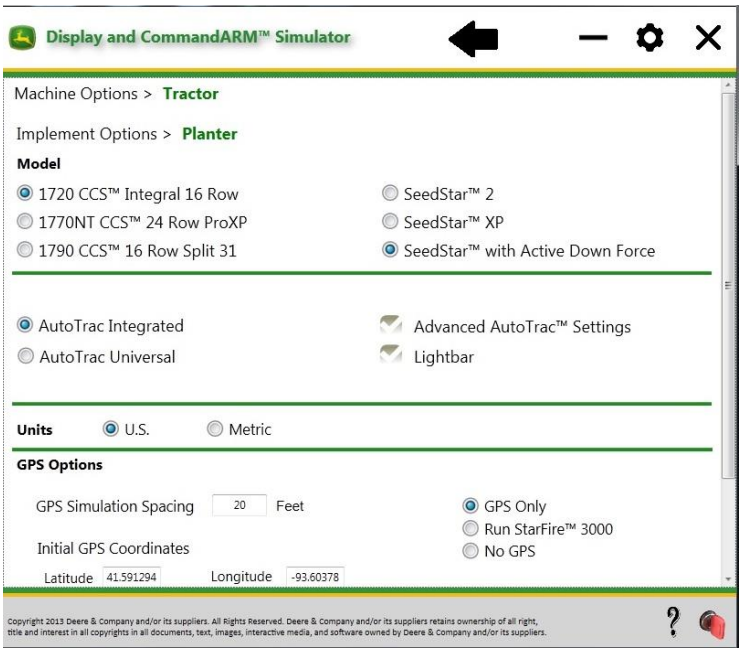
3. Choose a Display

The displays that are compatible with selected machine and implement will appear.



4. Select Options

The available options depend on the selected machine, implement, and display.



- **Run StarFire™ 3000:** StarFire 3000 interface will populate on the display.
- **AutoTrac™ Integrated:** Makes the simulator behave like it is connected to an AutoTrac Capable machine.
- **Advanced AutoTrac Settings:** Makes the simulator behave like it is connected to a machine with a SSU capable of Advanced AutoTrac Settings.
- **AutoTrac Universal:** Makes the simulator behave like it is connected to an ATU.
- **GreenStar™ Lightbar:** Makes the simulator behave like it is connected to a GreenStar Lightbar (i.e. the GreenStar Lightbar Settings will appear in Guidance Settings).

Initial GPS coordinates

Enter the GPS coordinates of a field to locate the GPS simulation over it.

NOTE: Moving the GPS location far from the selected field's reference point will make the machine icon on the map look skewed. Create a new field name to solve this problem.

General Simulator Functions

Turn Simulation ON / OFF

The key switch  turns on / off all selected machine, implement and display simulators. It may take roughly 60 seconds for the display to load.

Help

The Help button  opens the website where updated help information can be accessed.

Implement Functions

 Toggle through available alerts

 Cancel alerts toggle. Note: this button will NOT clear alerts that are triggered by the machine / implement software.

 Air cart - triggers Front Tank Low error condition

 Air cart – meter calibration switch

Sounds

Most beeps and other sounds are set to OFF. They can be turned ON/OFF by adjusting the volume in Display Settings. Guidance alert sounds and tracking tones will still be ON. Tracking tones may be turned OFF in Guidance Settings, as in an actual display.

GPS Simulation

Increase Speed 

Information about Machines

Combine

Known issues and limitations:

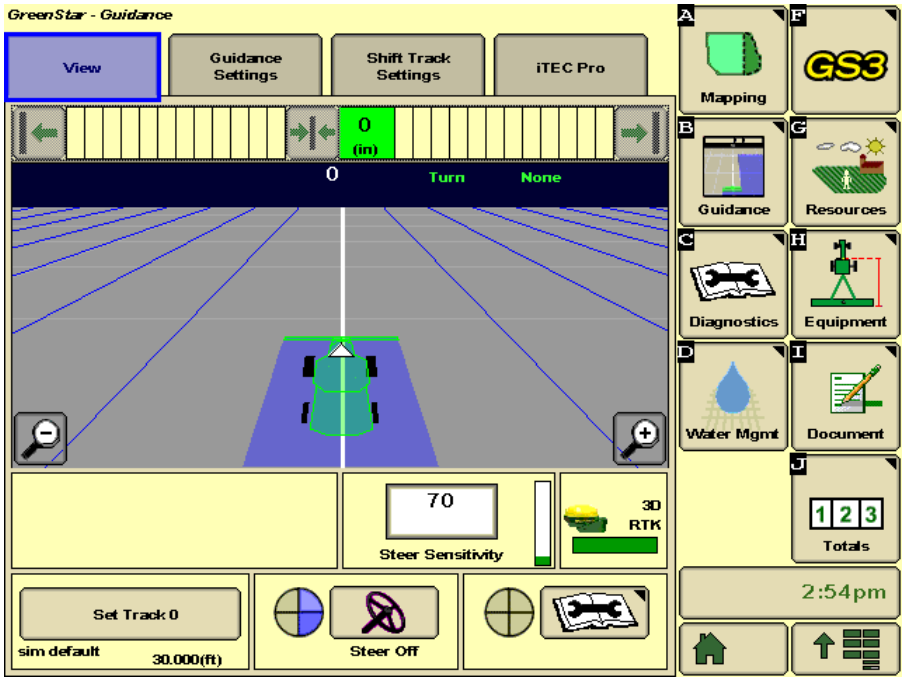
- Software shows all options at the same time on combine main page
- Several buttons on CommandARM™ do not function
- PDU Display not fully functional

How to Begin Harvesting

1. Engage Separator
2. Engage Header
3. Set full throttle
4. Set gear

5. Select the middle of the Multi-Function Lever and move forward.

Yield map should now be recording.



RowSense™ on Combine

The RowSense option is checked by default in the options for the combine simulator.

Operating RowSense:

1. Select the middle of the Multi-Function Lever and move forward.
2. Setup a guidance line on the display.
3. Enable RowSense
    a. Menu 
    b. GS3 
    c. Guidance soft key 
    d. Change RowSense Settings 
    e. Guidance Settings 
    f. Enable System Status 
    g. Note that the Row Entry method can be set to Manual or GPS status.

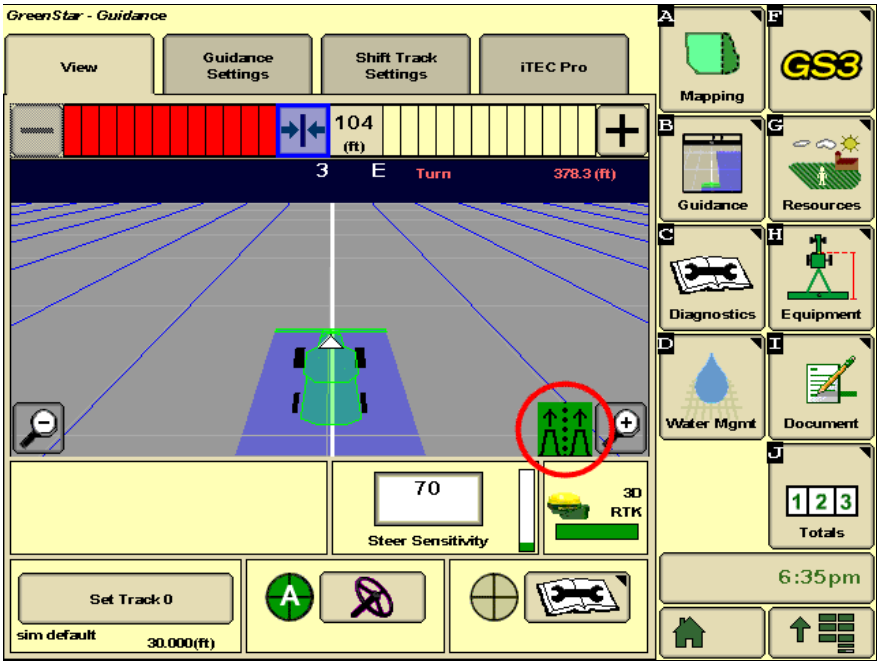
Operating with **Manual Row Entry method:**

1. Drive combine into row
2. Press number 3 button to lower head 
3. Press number 3 button a second time to engage guidance and row sensors.

Operating with **GPS Row Entry method:**

1. Drive combine into row
2. Press number 3 button to lower head and engage guidance 
3. Press number 3 button second time to engage row sensors.

Simulation RowSense States:

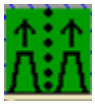


RowSense sensor is installed and enabled

Row Sensors Out of Crop – AutoTrac is active and there is valid GPS data, but no data from the crop feelers. *NOTE: Simulator will set crop yield input to 0 for out of crop simulation.*

Differential Correction Lost – AutoTrac is active and there is a valid data from crop feelers but there is insufficient data from StarFire™ GPS. *NOTE: AutoTrac will run for up to 3 minutes without GPS.*

AutoTrac is active and there is a valid GPS and sensor data from the crop feelers.



NOTE: Reference the AutoTrac RowSense operator manual for more detailed instructions.

Cotton Harvesters

Known issues and limitations for CP690 and CS690:

- Wrap misfeed alert sometimes appears when bale is full size. Accept and press Auto button wrap bale.

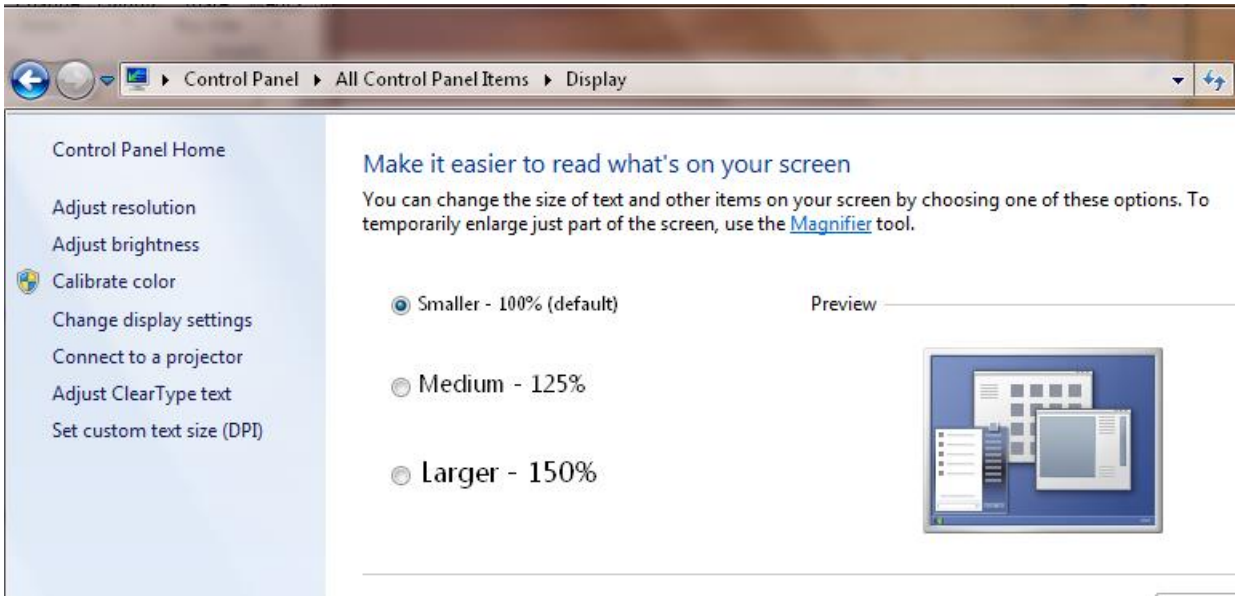
- GS3 2630 will sometimes lockup when selecting Menu > Message Center. Restart simulator to recover.
- Cotton Counter – Bale count does not increase automatically.

Known issues and limitations for ADU Display:

- ADU Display requires user to have administrative rights and will not work on Windows 64bit and Windows XP computers.
- ADU Display is only operational with computer screen set to small text and icons; otherwise the interface will appear like this image.

Changing Screen to Small Text and Icons

1. ***Start*** menu on the computer
2. ***Control Panel***
3. ***Display***



4. Ensure selection is set to ***Smaller – 100%***

NOTE: This setting will affect the size of text and icons on your desktop.

How to Begin Harvesting on CP690 and CS690

1. Engage Fan

2. Engage Units

3. Set full throttle

4. Turn off Park Brake

5. Select the middle of the Multi-Function Lever and move forward.

6. Press Auto button when bale is full size. First accept wrap misfeed alert if it appears.

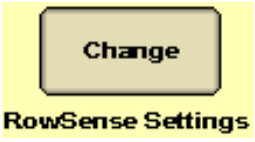
RowSense™ on CP690 and CS690

1. Before starting simulator, select GPS option.
2. Select AutoTrac RowSense™ option

3. Turn Key ON

4. Go to GS3 in Menu

5. Go to RowSense Settings in Guidance Settings



RowSense Settings

6. Enable RowSense

7. Select Steer ON in Guidance

Steer ON

8. Begin Harvesting
9. Engage RowSense

10. Press Resume for Manual RowSense

11. Press Resume again for Automatic RowSense

Sugarcane Harvesters

Known issues and limitations:

- CH570
  - Several buttons on CommandARM™ do not function
  - Harvest simulation
  - Elevator Setup
- 3520 and CH330
  - CommandARM™ and PDU display
  - Harvest simulation
  - Elevator Setup
  - 6 trouble codes appear at startup

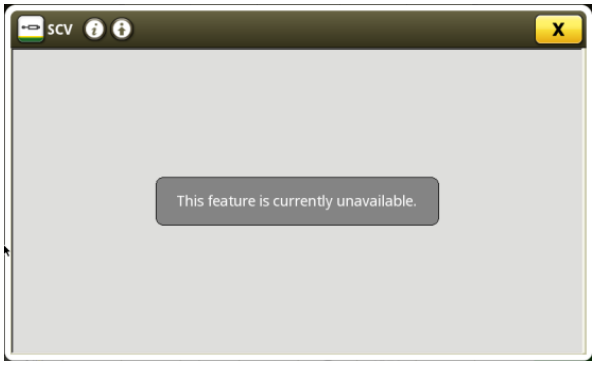
Tractors - 7R and 8R with Generation 4 CommandCenter™

Known issues and limitations:

- CommandARM™, Navigation bar, and PDU display not available for the following configurations:
  - 7R e23™
  - 7R CommandQuad™
- Gen 4 CommandCenter™ intermittently loses steering controller communication when running Tractor (or Machine) Simulation.

If your computer has less than 3GB of RAM, uncheck  **Machine Controllers Simulation** in Machine Options for best performance. Refer to Resolution of RAM Usage Issues for more options.

NOTE: Unchecking this option will disable Tractor Settings applications in the Gen 4 CommandCenter™ Menu.



Known issues and limitations:

1. When Tractor (or Machine) Simulation is checked Gen 4 CommandCenter will start up more slowly and DTC alerts may appear frequently. If many DTC alerts appear, try restarting the simulator.
2. On Windows XP, the Tractor (or Machine) Simulation is disabled due to a compatibility issue
3. Help Center may not open from the shortcut bar. Open it from Menu > Applications instead.

Information about Implements

Baler

Known issues and limitations for 469 and 569:

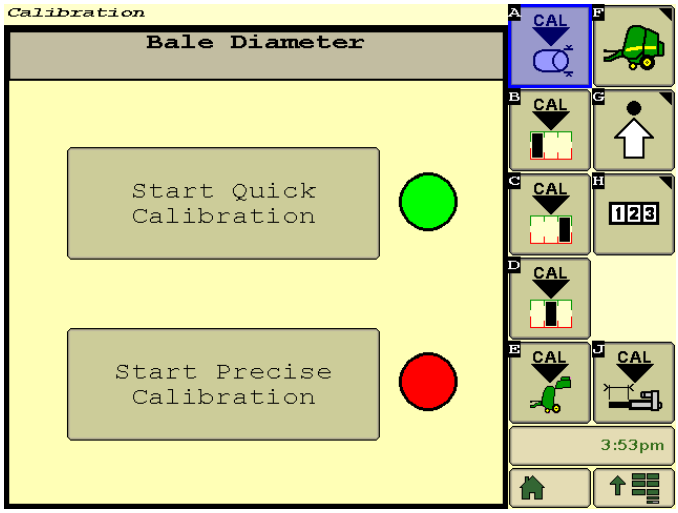
- Twine tying is not supported.
- Automation 1 and 2 is not fully supported.

Known issues and limitations for L330 and L340:

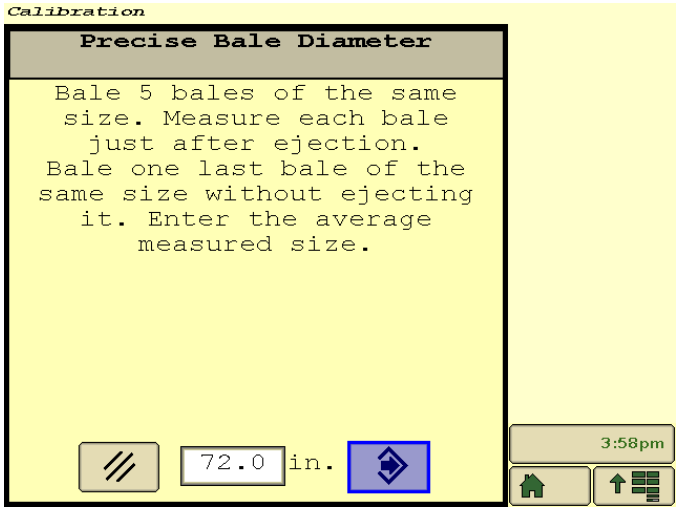
- In Online Simulator, “Feeder forks plugged” stop alert appears during startup. Accept to continue.

469 and 569 Baler Calibration:

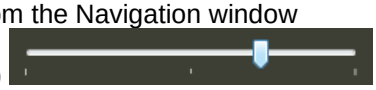
If you perform a Quick Calibration for Bale Diameter, then you must also perform a Precise Calibration. Both Quick and Precise Calibration statuses must be green before other calibrations can be completed.

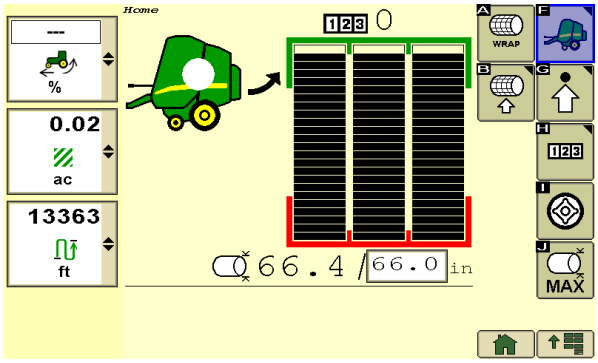


Enter 72 inches as bale diameter for Precise Calibration.



469 and 569 Baler Operation:

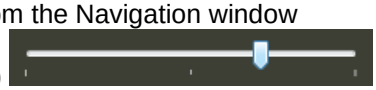
1. Switch ON the **PTO**  from the Baler window
2. Increase **Speed**  from the Navigation window
3. Increase crop flow (**Yield**) 

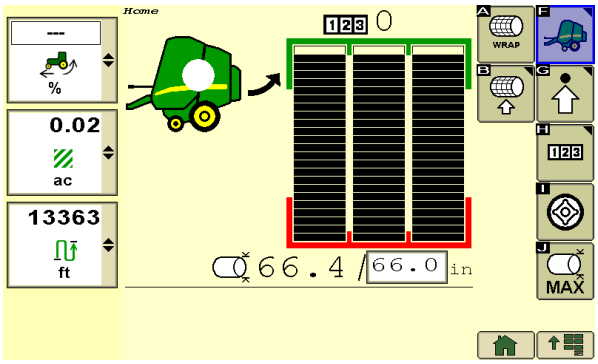


Crop flow (Yield) will automatically reset to **None** when bale size is reached for simulation purposes.

4. Open gate  from the Baler window.
5. Close gate  from the Baler window.

469 and 569 Baler Operation Example with B-Wrap:

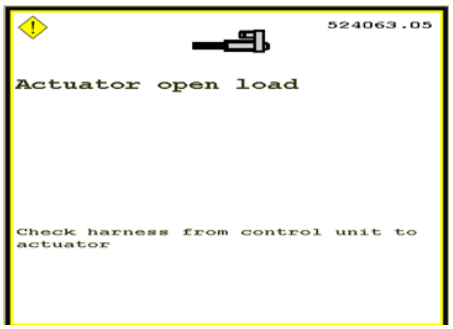
1. Switch ON the **PTO**  from the Baler window
2. Increase **Speed**  from the Navigation window
3. Increase crop flow (**Yield**) 



Crop flow (Yield) will automatically reset to **None** when bale size is reached for simulation purposes.

4. After wrapping is complete, switch OFF the **PTO**  from the Baler window.
5. Open gate  from the Baler window.
6. Close gate  from the Baler window.

*NOTE: Use **Reset** button on Baler window if wrapping simulations fail or Actuator open load alert appears frequently.*



Planter

Known issues and limitations

- 1775NT Row Cleaner sensor simulation sometimes fails.

- 1775NT seed meter vacuum not simulated.
- 1775NT Planter simulated seed rates are sometimes erratic and section control disappears intermittently.

How to Begin Planting with 1775NT Planter

1. Select **PTO ON** in Navigation window.

Use PTO switch when CommandARM™ Simulation is selected in Machine Options.

CommandARM™ Simulation

2. Select planter **Power Generation ON** in display.

3. Select **Planter Down** in Navigation window.

GreenStar Rate Controller

Rate controller option is available when air seeder, blockage, planter, sprayer, or rate controller are selected. GreenStar Rate Controller has the following configuration groups, based on what machine and implement it is running with.

Implement – planter, air seeder, or blockage

- Liquid Fertilizer (default)
- Pull-behind Sprayer
- NH3

Implement – GreenStar Rate Controller

- NH3 (default)
- Pull-behind Sprayer
- Planter

Machine – sprayer

- Self-propelled Sprayer

Information about Displays

GS2 1800 Display

NOTE: The GS2 1800 simulator screen will appear fuzzy, because it was scaled 75% to fit on a computer screen.

Navigation

There are 3 options for scrolling the thumbwheel in the simulator:

1. Left-click the mouse on the top or bottom of the thumbwheel.
2. Hover the mouse over the middle of the thumbwheel and turn the mouse wheel.
3. Use the up and down arrows on the keyboard.

There are 2 options for selecting a button in the simulator:

4. Press the check button. 
5. Press down on the middle of the mouse (this option may be required for Live Edit Entries)

Thumbwheel

Mouse wheel

Live Edit Entry

GS3 2630 Display

NOTE: The GS3 2630 simulator is not currently capable of simulating Surface Water Pro Plus.

Import User Data to the Simulator

Import user data from a GS3 2630 display or Apex™ desktop software. This feature is meant for training purposes only. The same software version rules apply for compatibility of importing data as with the real display. As a rule of thumb, ensure the most recent updates are installed so that the data will import.

IMPORTANT: Simulator software updates will delete any data and settings stored in the simulator. Export prior to updating simulator to save your data and settings.

1. Select Machine, Implement, and then GS3 2630 display.
2. Select Open Simulated USB in the Display Options. This will open a folder on your computer that simulates a USB drive.

Open Simulated USB

3. Open your actual USB drive and copy the “GS3_2630” folder to the Simulated USB.

4. Turn ON the simulator

5. Select the USB button to simulate inserting the USB drive. Import the Profile to the simulator just like you would on an actual display.
6. Select the USB button to simulate removing the USB drive.

Export User Data from the Simulator

1. Select the USB button to simulate inserting the USB drive. Export data from the display just like you would on an actual display.

2. Turn OFF the simulator.
3. Select Machine, Implement, and then GS3 2630 display.

4. Select Open Simulated USB and use File Explorer to copy and paste the Profile folder to a location of your choice.

Open Simulated USB

Generation 4 CommandCenter™ Display

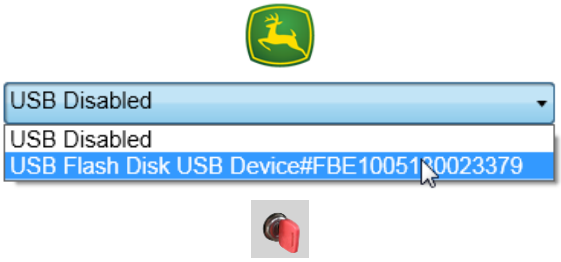
The simulator has a minimum version check for Gen 4 CommandCenter™. When starting the simulator with Gen 4 CommandCenter™, a message will appear if an update is required for compatibility. In that case, download the latest Generation 4 display simulator package from the Stellar Support.

Import User Data to the Simulator

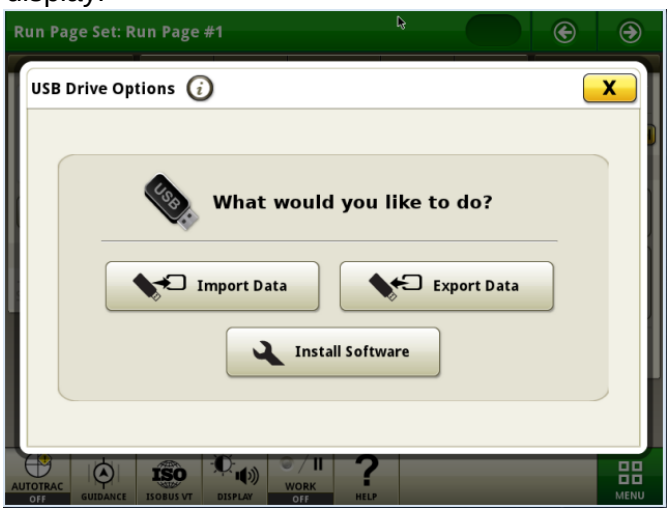
Import user data from a GS3 2630 display or Apex™ desktop software. This feature is meant for training purposes only. The same software version rules apply for compatibility of importing data as with the real display. As a rule of thumb, ensure the most recent updates are installed so that the data will import.

IMPORTANT: Simulator software updates will delete any data and settings stored in the simulator. Export prior to updating simulator to save your data and settings.

1. Put data on a USB drive as you would for transferring to an actual Gen 4 CommandCenter™.
2. Insert the USB drive into your computer.
3. Open the simulator.



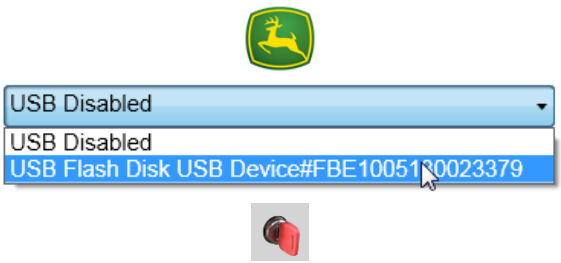
4. In Display Options, select the USB drive.
5. Turn ON the simulator
6. After the display loads the following message should appear allowing you to Import Data to the display.



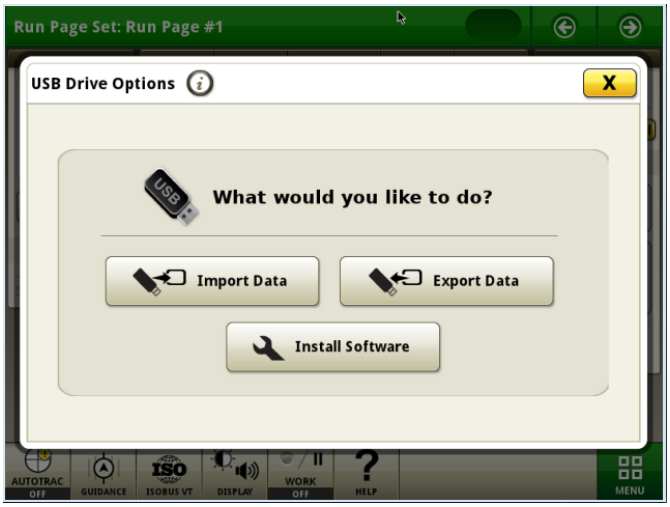
If message does not appear refer to USB fails to connect in Troubleshooting section.

Export User Data from the Simulator

1. If Gen 4 CommandCenter™ simulator is not already running, insert a USB drive into your computer.
2. Open the simulator.



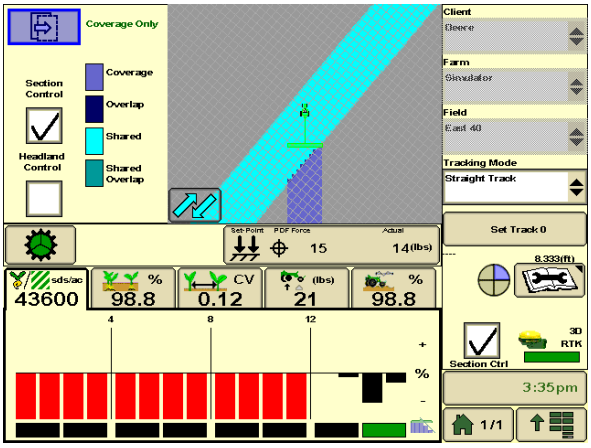
3. In Display Options, select the USB drive.
4. Turn ON the simulator
5. After the display loads the following message should appear allowing you to Export Data to the display.



Information about Options

Machine Sync Shared Data

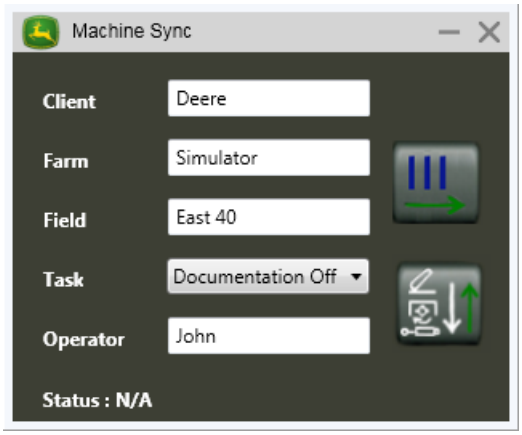
This feature simulates coverage data and guidance lines coming from and going to a second machine (Machine 2). The coverage of Machine 2 drives at 4 mph (6.4 km/h) with an implement width of 60 feet (18.3 meters) and turns around after 0.5 miles (0.8 km). The Machine 2 icon is not displayed and it is not capable of section control.



Setup Sharing

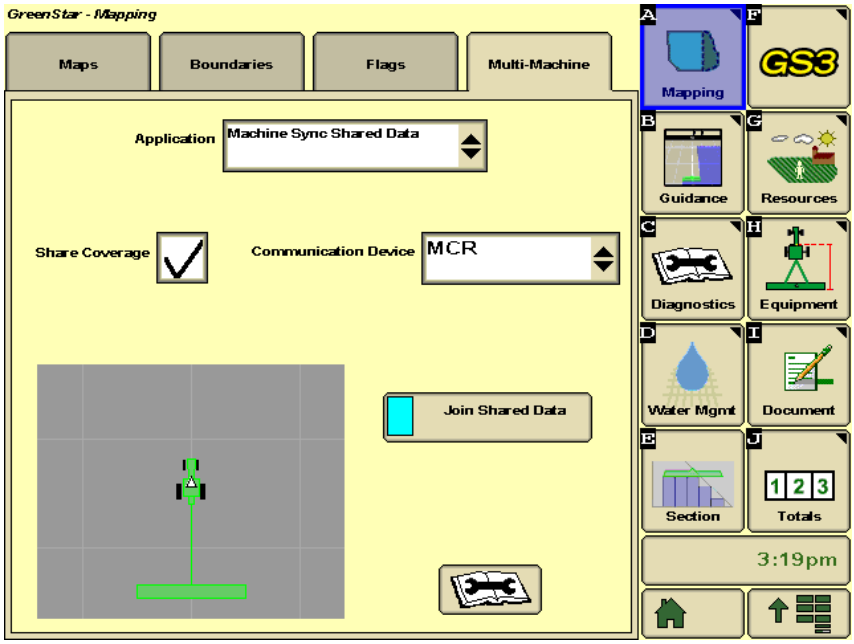
Note: Network setup is saved between uses of the simulator.

1. Choose any Machine and Implement option with GS3 2630 display
2. Select  **Machine Sync Shared Data** in **Display Options** page. The Machine Sync window will appear after you turn the key  to start the stimulator.



3. Select the same **Task** in both the Machine Sync window and display. If you select a Task other than Documentation Off in the GS3 2630, you will need to setup Documentation (Softkey I).
4. Setup Network in display
    a. Go to **Menu > GS3 > Equipment (H) > Network tab**
    b. Select **Manage Networks**
    c. Select **Add New**
    d. Enter any name for **Network Name**
    e. Select **Accept**
    f. Select **Connect**
    g. Select **Accept**
    h. **Machine 2** will now show up on Network. Various signal qualities are simulated for demonstration.
5. Go to **Mapping (A) > Multi-Machine tab**
    a. Select Application from list: **Machine Sync Shared Data**
    b. **Check** Share Coverage

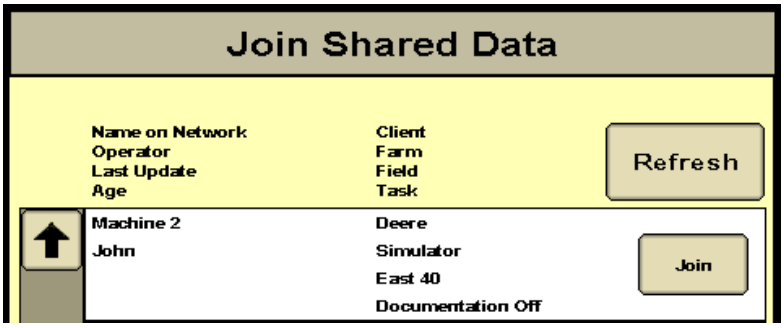
c. Select Communication Device from list: **MCR**



Join Coverage

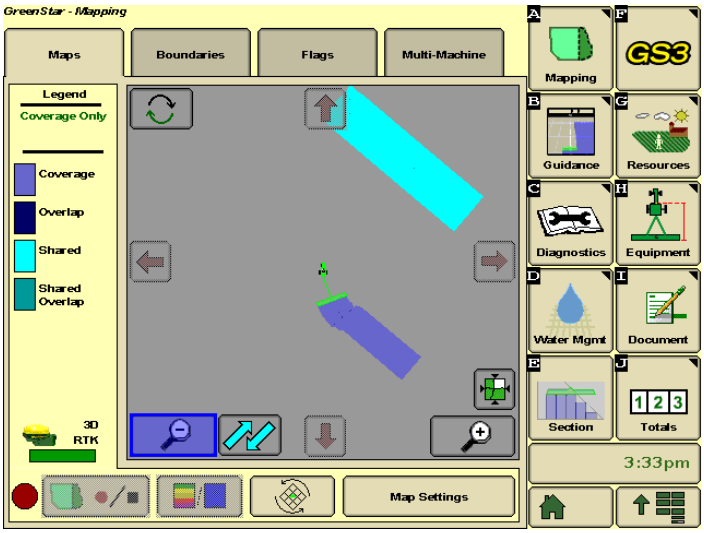
Note: Machine 2 does not appear in Join Shared Data list, turn key to restart simulator.

1. Go to **Menu > GS3 > Resources (G)**
2. Select **Join** from Field list box
3. Select **Join** for Machine 2 in the window that appears. If Machine 2 is missing from the list, restart the simulator.



Note: On some computers, a communication lost alert may appear. As long as the machine or implement still appears in the Menu, the simulation is still working.

4. Go to **Mapping (A)**
5. Select **Recording**  on the **Machine Sync window**. The second machine coverage will display on the map to the right of the first machine. You may need to zoom out to see it.



Share AB Line from Machine 1

1. Go to **Menu > GS3 > Guidance (B)**
2. Select **Set Track 0**
3. Select **Share AB Line**
4. Status on Machine Sync window will show: AB Line Received

Share AB Line from Machine 2

1. Select **Send Guidance Line** 
2. **AB Line Received** message will appear on the GS3 2630. **East Line_001** is the name of the track.

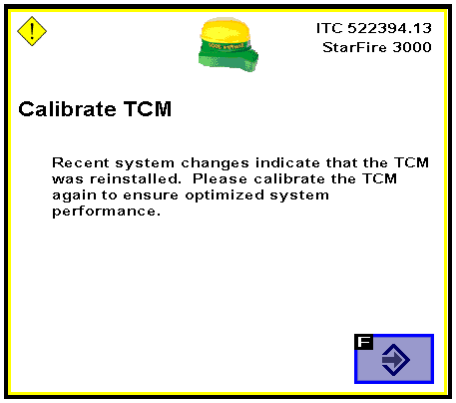
   Note: This AB line is created for the default GPS location of the simulator.

Reference the Machine Sync Operator Manual for more information.

StarFire™ 3000

Calibrate TCM Alarm

The Calibrate TCM alarm will appear once every time the simulator is started with a different Machine, Implement, or Display and the TCM has not been calibrated for that combination.



1. ***Menu*** 
2. ***StarFire*** 

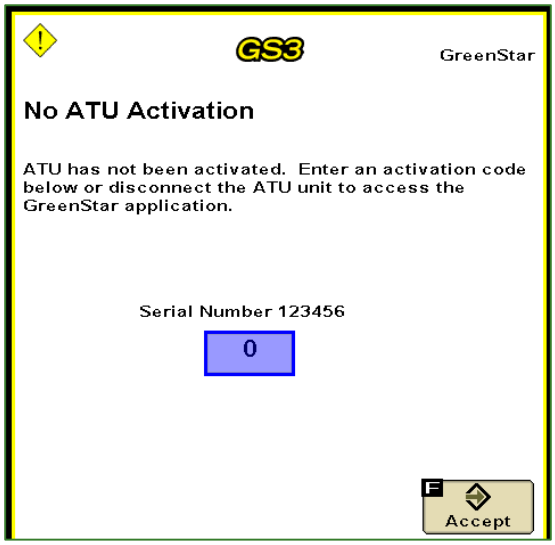
3. ***Setup*** tab
4. ***CAL*** 

5. Select ***Accept***  on the next 3 messages

AutoTrac Universal (ATU)

ATU Activation

The first time you run the ATU with a display you will need to activate it by entering **323**. With the GS2 1800, turn the thumbwheel of the display using mouse wheel.



Troubleshooting

Gen 4 CommandCenter™ Fails to Load

Common Symptoms:

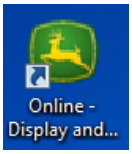
- "Not able to find Gen 4 CommandCenter window" alert appears.
- Display appears with only a green screen.

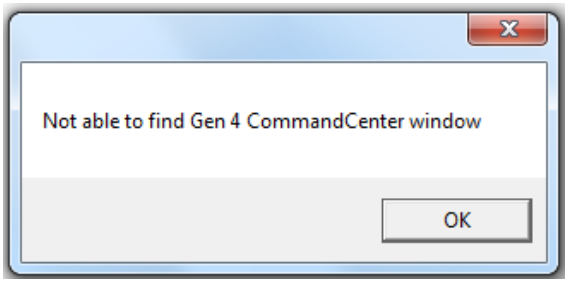
Cause:

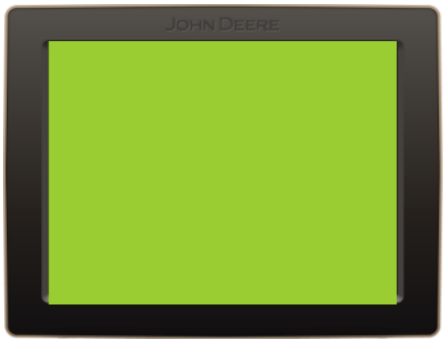
- The Offline simulator requires a separate installer for the Gen 4 CommandCenter, which is no longer available to download. Due to technical and usability considerations, it had not been updated from Software Update 2015-1 for offline use.
- The Offline Gen 4 CommandCenter has already been installed on your computer, but is no longer functioning properly.

Common Fixes:

- Gen 4 CommandCenter™ simulation is now only supported in the Online-Display and CommandARM™ Simulator.







GS3 2630 Display Fails to Load

Common Symptoms:

- Stays on green "Please Wait…" screen for longer than 20 seconds
- Loads to blank yellow screen

Common Causes:

- GS3 2630 will not load on some Windows 8 and Windows 10 computers.
- Firewall, Administrative Rights, or antivirus software conflicts with simulator
- Data files from previous versions were not cleaned up during uninstall

Common Fixes:

- Use the Online-Display and CommandARM™ Simulator.
- DO NOT turn off Firewall. When the firewall is off it can still block network communication that the simulator requires for CAN communication. When the firewall is on it pops up a message allowing you to give access to the simulator.
- Reset all settings and data in GS2 and GS3 displays to defaults.
    1. Settings

2. Debug tab
3. Reset

- Report issue to GreenStar@JohnDeere.com.

Implement doesn't load to Menu

1. View table above in Machines and Implements section to determine whether the simulator includes the 'Display' interface for the implement
2. If the simulator does include the interface but it does not appear:
    a. First, wait 2 minutes, because they sometimes take time to load
    b. Second, turn key to turn off Simulator and then turn key to turn it back on to reset

Communication error appears or Task fails to open

Common Causes:

- Lack of available CPU or firewall settings.
- Second, turn key to turn off Simulator and then turn key to turn it back on to reset
- Exit back to the Setup page and then reopen the simulator. If this occurs frequently, contact help.

Common Fixes:

- Close any other applications that are running
- Turn key to turn off Simulator and then turn key to turn it back on to reset

Computer responds slowly

1. Determine CPU Usage
    a. Press the ***Control***, ***Alt***, and ***Delete*** buttons at the same time
    b. Select the ***Performance*** tab
2. If CPU Usage is over 60%, try closing any other applications that may be running.

Cotton Picker ADU simulator buttons appear out of place

Common Causes:

- ADU Display is only operational with computer screen set to small text and icons.

Common Fixes:

- See section on Information about Machines for instructions.

Machine icon on map does not move

Common Causes:

- Need to increase speed
    1. Use Increase Speed button  or
    2. On CommandARM, put machine in gear and use multifunction hydrohandle
- Lack of CPU availability during startup
- Internal error in simulator

Common Fixes:

- Turn key to restart simulator

Machine icon on map moves backwards

Common Causes:

- Lack of CPU availability during startup

Common Fixes:

- Turn key to restart simulator

Machine icon on map looks skewed

Common Causes:

- GPS location is too far from reference point of selected field

Common Fixes:

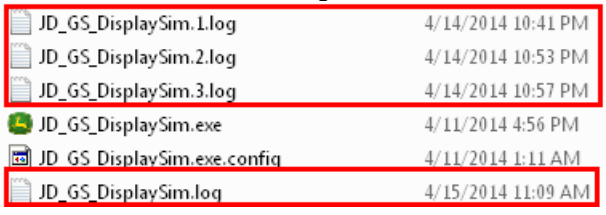
- On Simulator Setup page, select a GPS location over the selected field
- Select a new name in the display

Reporting Issues

Report issues and submit feedback at www.JohnDeere.com/amscontact. Please state that it is regarding the Offline-Display and CommandARM™ Simulator and include the exact text of errors you are reporting.

The following information is helpful when reporting an issue to a John Deere technician.

- Always send screenshots and a description of the issue.
- If simulator does not open or crashes, sending an error log will be helpful. Error logs can be found in in [C:\Program Files\John Deere\DisplayAndCommandARMSimulator]. Look at the modified date to find that logs from the timeframe the issue occurred.



- Issues resulting from firewall conflicts require advanced error logs. Enable advanced error logging, run the simulator to reproduce the issue, and then send the log files. Advanced error logging is OFF by default, so the simulator opens more quickly.

    1. Open the simulator 

2. Open **Settings**
3. Select the **Debug** tab
4. Check **Enable advanced error logging**
5. Select **Close** and restart the simulator

Note: The advanced error logging will apply only to the next simulator run and not the current run in which the option was enabled.