Display Simulator
Help Guide v1.2

GS2 1800 Display
GS3 2630 Display

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Applies to Simulator Version: 1.2.0
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The GS3 2630 / GS2 1800 Display simulator is a Windows application that is installed on a laptop or desktop computer for the purpose of training and learning to use these displays. The simulator replicates the functionality of these displays, but there may be slight differences from running an actual display.

**Minimum System Requirements**

- **Operating System:**
  - MS Windows XP (32-bit)
  - MS Windows Vista (32-bit)
  - MS Windows 7 (32-bit)

- **2 GB of RAM**
- **Dual core processor**
- **Screen Resolution:** The simulator is optimized for 1280 x 800, but will work with most resolutions.
- **Internet Connection:** The simulator requires an internet connection to register at least every 50 uses.

**Installation**

1. Determine what operating system is on your computer.
2. Download the appropriate installers for your operating system from [www.StellarSupport.com](http://www.StellarSupport.com) (see Training tab).
   - MS Windows XP (32-bit) installers
   - MS Windows Vista or 7 (32-bit) installers
   - MS Windows Vista or 7 (64-bit) installers
3. Open the Base Simulator Installer and follow the prompts to install.
   - GS_Display_Simulator_x_x_x.msi
4. Open the display installers and follow the prompts to install.
   - GS2_1800_Package_x_x_xxxx.msi
   - GS3_2630_Package_x_x_xxxx.msi

**Determine What Operating System is on Your Computer**

**Windows XP:**

1. Right-click on **My Computer**
2. Click the **General** tab. The operating system is displayed as follows:
3. For a 32-bit version operating system: **Windows XP Professional Version** appears under System.
   a. For a 64-bit version operating system: **Microsoft Windows XP Professional x64 Edition Version** appears under System.

Windows Vista and 7:

1. Click **Start**
2. Type "**system**" in the Start Search box and click Enter
3. Click **System** in the Programs list that appears and look for the Operating System.

Un-installation

Windows XP

1. Select **Start -> Settings -> Control Panel -> Add or Remove Programs**
2. Select **GS Display Simulator -> Remove**
3. Select **GS2 1800 Package -> Remove**
4. Select **GS3 2630 Package -> Remove**

Windows Vista and 7

1. Select **Start -> Control Panel -> Uninstall a program**
2. Select **GS Display Simulator -> Uninstall**
3. Select **GS2 1800 Package -> Uninstall**
4. Select **GS3 2630 Package -> Uninstall**

Registration

Registration is required to ensure that the simulator is updated and used properly by all users. The simulator may be used 5 times prior to registration by clicking "Try." The simulator may be used up to 50 times without an internet connection after registering.

Open the Simulator

1. Select **GS Display Simulator** on the computer desktop

**NOTE:** The following error may appear the first few times the simulator is opened. Select **Close** and then open the simulator again.
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.

![Unhanded exception error message]

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.

![Internet Proxy Configuration dialog]

**Register the Simulator**

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

   ![Register GS Display Simulator](image)

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

   b. Select Generate Serial Number

   ![Generate Serial Number](image)

   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 Proxy Server Internet Connection

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

Option 1:

1. Close all simulator windows

   ![Internet Explorer](image)

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 **GS Display 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](http://jdlicensing.farreachinc.com)
3. Select **Generate Serial Number** and **Copy** the Serial Number

4. Select **GS Display 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.

<table>
<thead>
<tr>
<th>Language</th>
<th>Language</th>
<th>Language</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulgarian</td>
<td>Estonian</td>
<td>Italian</td>
<td>Russian</td>
</tr>
<tr>
<td>Chinese (Setup page only)</td>
<td>Finnish</td>
<td>Latvian</td>
<td>Serbian</td>
</tr>
<tr>
<td>Croatian</td>
<td>French</td>
<td>Lithuanian</td>
<td>Slovak</td>
</tr>
<tr>
<td>Czech</td>
<td>German</td>
<td>Norwegian</td>
<td>Slovenian</td>
</tr>
<tr>
<td>Danish</td>
<td>Greek</td>
<td>Polish</td>
<td>Spanish</td>
</tr>
<tr>
<td>Dutch</td>
<td>Hungarian</td>
<td>Portuguese</td>
<td>Swedish</td>
</tr>
<tr>
<td>English</td>
<td>Icelandic</td>
<td>Romanian</td>
<td>Turkish</td>
</tr>
</tbody>
</table>

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 Display

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
Getting Started

1. First select a display (setup options are different for each display).
2. Select Machine and Implement settings
3. Select any Additional Options

Machine Type

The simulator will behave like it is connected to the selected John Deere Machine Type. The Machine Type options include:

- Row Crop Tractor
- Sprayer
- Combine (available for 2630 only)
- Cotton Picker (available for 2630 only)
- SPFH (available for 2630 only)

Implement Type

The simulator will behave like it is connected to the selected John Deere Implement Type, but the implement interfaces will NOT populate on the display. The Implement Type options are dependent on the selected Machine Type. Some of the available Implement Types include:

- Boom
- Spreader
- Planter (Swath Control simulation NOT available for planter)
- Air Cart
- General (Simulator behaves like it is NOT connected to an implement)

**NOTE:** Please continue to use the GS2 2600 simulator for Implement interfaces until they are added to this simulator.

**Track Spacing** sets the distance between guidance paths of the simulated GPS. A matching value should be set in the setup of the display.

**Implement Width:** Sets the Implement Width that is auto-populated in the setup of the display.

### Additional Options

- **StarFire™ Receiver:** 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. Uncheck AutoTrac Integrated for this option to become active.
- **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).

### Use My Data

The Use My Data feature is available for the GS3 2630 display simulator and imports 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 (see the Versions listed on the Setup page under each display). As a rule of thumb, ensure the most recent updates are installed so that the data will import.

**IMPORTANT:** Data and settings will be deleted during normal simulator software updates.

### Import User Data to the Simulator

1. Select **Copy Profile to Simulated USB** to copy a Profile from a USB drive or folder location on the computer. Profile folders are stored inside a folder named GS3_2630.

   ![USB](E:)  
   ![GS3_2630](Profile1)

   The Profile will be copied into a folder used by the simulator that can thought of as a simulated USB drive.

2. Turn ON the simulator.

3. Import the Profile to the simulator just like you would on an actual display. Click the USB button to simulate inserting and removing the USB.
Copy User Data from the Simulator

1. Turn OFF  the simulator to return to the Setup page.
2. Select Open Simulated USB and use File Explorer to copy and paste the Profile folder to a location of your choice.

Using the Simulator

IMPORTANT! – Creating an AB Line

Start the vehicle moving by pressing   for the GPS simulation to send a valid signal. Do this before setting up a guidance line!

Turn Simulation ON / OFF

The key switch  turns on / off all selected machine, implement and display simulators.

Help

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

Screen Capture

Take a Screen Capture  to create training materials.

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.

GS2 1800 Simulator

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:

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

<table>
<thead>
<tr>
<th>Thumbwheel</th>
<th>Mouse wheel</th>
<th>Live Edit Entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Thumbwheel Image]</td>
<td>![Mouse wheel Image]</td>
<td>![Live Edit Entry Image]</td>
</tr>
</tbody>
</table>

**Swath Control Pro™ and Pivot Pro™ Activations OFF by default**

When the simulator is first installed or updated, the Swath Control Pro™ and Pivot Pro™ Activations will be set to OFF. Follow these steps to turn them ON.

1. **Menu**
2. **GreenStar**
3. **Settings**
4. **Activations**
5. Scroll to the list and select **Check** to edit it
6. Press the **Check** button to turn ON each activation.

**GS3 2630 Simulator**

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

**StarFire™ 3000**

**Calibrate TCM Alarm**

The Calibrate TCM alarm will appear once every time the simulator is started. If it appears again while using the simulator, perform a calibration to make it stop appearing.
1. **Menu**
2. **StarFire**
3. **Setup tab**
4. **CAL**
5. Select **Accept** on the next 3 messages

**Updates**

User will be prompted automatically while opening the simulator if there is an update available (internet connection required). Follow the onscreen prompts if you choose to install it.

*IMPORTANT: All previous data and settings stored in the simulator and simulated USB will be deleted during updates.*

**Troubleshooting**

**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 any of the following actions:
   a. Close any other applications that may be running.
   b. On the Setup page, unselect the following **Additional Options:**
i. StarFire Receiver
ii. AutoTrac Universal

**Simulator acts erratically**
Exit back to the Setup page and then reopen the simulator.

**Communication error appears or Task fails to open**
Exit back to the Setup page and then reopen the simulator. If this occurs frequently, contact help.

**Contact Help**
Please email any feedback to GreenStar@JohnDeere.com with GS Display Simulator in the subject line.