

Activations

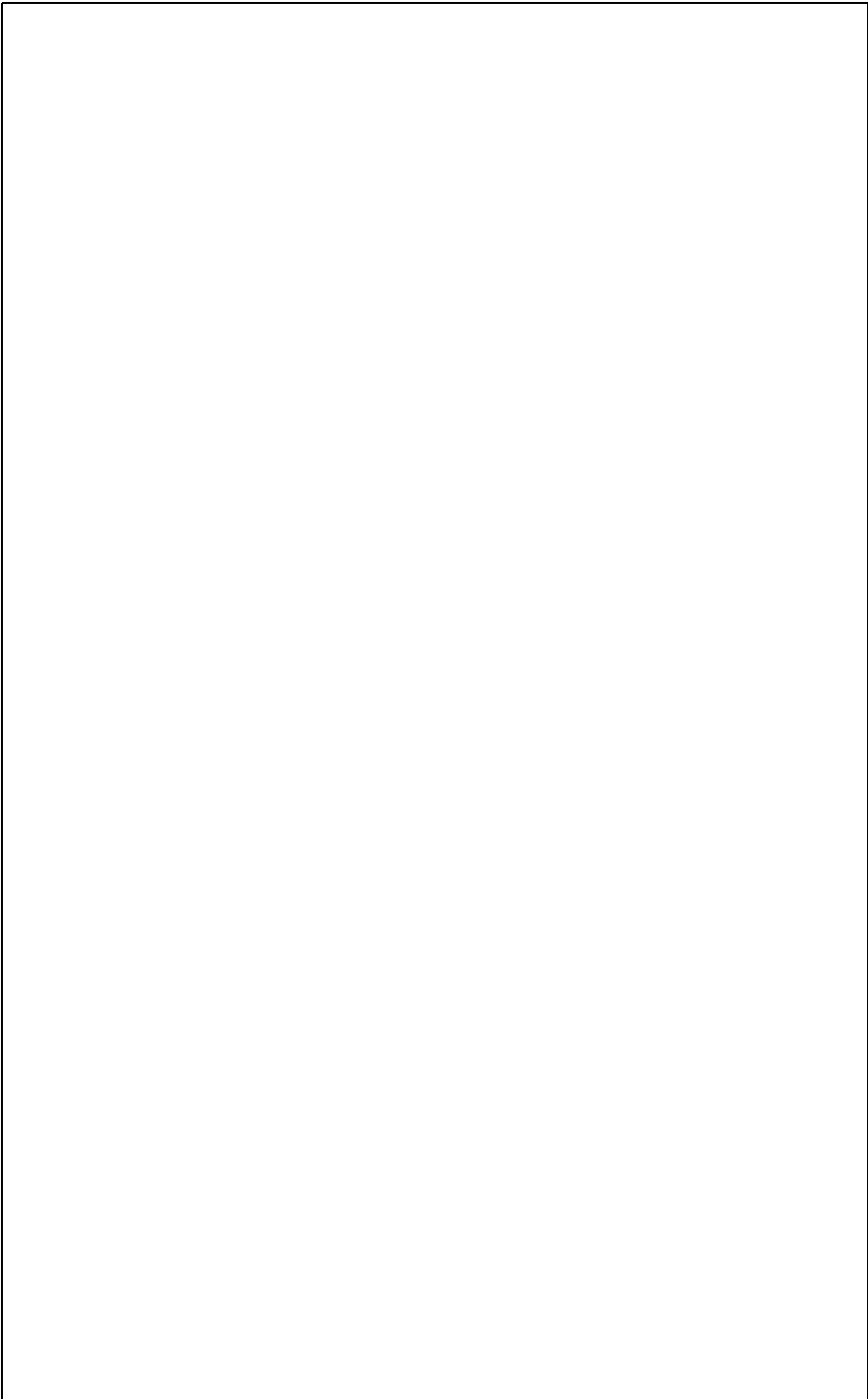
- ❖ Set date and time prior to entering Activation codes to ensure the Activations will be acknowledged.

Data Transfer

- ❖ Apex version 3.2 or newer is required to transfer data to the GS3 2630 from a different John Deere Display model (i.e. GS2 1800, GS2 2600, GS3 CommandCenter).
- ❖ Coverage and Swath Control Maps cannot be transferred from a different John Deere Display model.

User Guide

- ❖ This User Guide is intended to assist the operator with common operations. See the Operator Manual for detailed information.





GreenStar™ 2 1800 Display



About This Document

This User Guide will help you learn how to perform common tasks with your new display. It is a supplement to the display Operator's Manual.

Read the Operator's Manual for the following information:

- How to operate your display safely
- Theory of operation
- How to install the display and do initial setup
- Diagnostics

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Turning the Display On/Off

The display will turn on and off with the vehicle key switch.

Turn ON the display

1. Turn vehicle key switch directly to the Run position.

IMPORTANT: Do NOT allow the display to boot up with the key in Accessory Mode and then crank the engine.

NOTE: Implement controllers may take several minutes to load (if connected).

Turn OFF the display

Turn vehicle key switch to shut down vehicle and wait for the display to save settings.

IMPORTANT: Never pull the power plug without first turning off the vehicle key switch. Data loss could occur.

NOTE: The display requires a constant power source, so that it can save data and settings after the key is switched off. The Status LED is amber while the display saves data and settings.

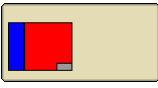
Home Pages

Home Pages are used to quickly cycle through commonly viewed pages. The map page is included in the cycle by default.

- Select **Home** to view each Home Page 


Accessing Home Page Setup

1. **Menu** 

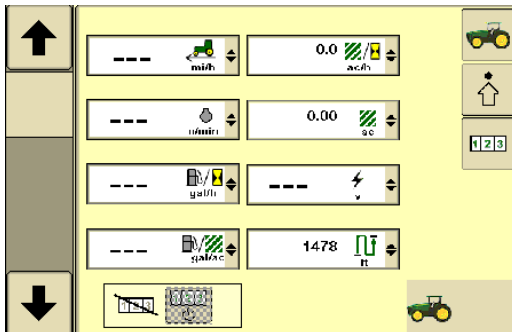
2. **Layout Manager** 



Adding Home Pages

Three additional pages can be added to the Home Pages cycle.

1. Select a Home Page from the list box 


- A preview of the selected Home Page is shown on the screen.



2. Use the thumb wheel to scroll between the different Home Page options.
3. Check the box to save the page to the Home Page cycle ..
4. Select **Home** or **Menu** to exit  

Changing the Left Hand Region

There are several page options to be displayed in the Left Region of the screen. The left hand region will remain constant when the main region of the screen changes.

1. In Layout Manager, Select **Left Region** from list box. 
2. Use the thumb wheel to scroll between the Left Region options.

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Getting Started

This section includes tips for using two John Deere ISOBUS displays together in Model Year 2010 and newer John Deere vehicles. In dual display mode, the 8R and GS3 CommandCenters are compatible with the following displays:

- ❖ GS2 1800
- ❖ GS2 2600
- ❖ GS3 2630

Using two displays allows the operator to monitor the implement on one display and run functions like guidance, section control, and documentation on the other.

Accessing Multiple Display Settings

1. **Menu** 
2. **Display** 
3. **Settings** softkey 
4. **Multiple Displays** softkey 

Model Year 2010 8R CommandCenter

The 8R CommandCenter was introduced for the 2010 model year 8R Tractors. The 8R CommandCenter does not have GreenStar capabilities (such as AutoTrac) on the display and therefore, no multiple display setup is required.

Connecting a Second Display

1. With key switched OFF, connect the display to the corner post harness connector.
2. Switch key ON to start vehicle and power the displays.

Changing Multiple Display Settings

Only the Implement Bus Virtual Terminal setting should be changed by the operator.

- **On/Off** checkbox – check the box to enable the setting on the CommandCenter.

- **Function Instance** – Refer to ISO Implement or ISO Display Manual for necessary adjustments.

❖ Multiple Display Settings options are described below:

- **Implement Bus Virtual Terminal** – Allows communication between the CommandCenter and a controller (e.g. Receiver, SeedStar II).
 - Check box ON to allow a controller to run on the CommandCenter.
 - Check box OFF to allow a controller to run on another connected display.

NOTE: Cycle power for changes to save and take effect.

GS3 CommandCenter

The GS3 CommandCenter was introduced with Model Year 2011 R-series tractors and Model Year 2012 S-series combines. The GS3 CommandCenter has GreenStar capabilities (such as AutoTrac) built into the display.

Connecting a Second Display

- ❖ To use a second display as a companion to the GS3 CommandCenter, please do the following:
 - With key switched OFF, connect the display to the corner post harness connector.
 - Switch key ON to start vehicle and power the displays.
 - Follow the instructions on the GS3 CommandCenter screen.

Changing Multiple Display Settings

- ❖ Multiple Display Settings options can be adjusted by the operator:

1. Select **Change Settings**



- **On/Off** checkbox - check the box to enable the setting on the GS3 CommandCenter.
- **Function Instance** - Refer to ISO Implement or ISO Display Manual for necessary adjustments.

- ❖ Multiple Display Settings options are described below:
 - **GreenStar** – No adjustment required. GreenStar will run on the second connected John Deere display.
 - **Original GreenStar Monitor** – No adjustment required. Original GreenStar Monitor will run on the second connected John Deere display.
 - **Implement Bus** – Allows communication between the GS3 CommandCenter and controller (e.g. Receiver, SeedStar II).
 - Check box ON to allow a controller to appear on the CommandCenter.
 - Check box OFF to allow a controller to appear on another connected display.

- **Vehicle Bus** – No adjustment required.

2. Select *Save Settings and Restart Display*

Save Settings and
Restart Display

Troubleshooting Tips

The following information may be helpful for managing which display will run a controller (e.g. StarFire Receiver, SeedStar II).

Restore Settings before Making Adjustments

❖ Default settings should be restored before attempting any other troubleshooting tips.

- Select **Restore Factory Default Settings**



NOTE: This option will not appear if settings are already set to default.

Allow Controller to Appear on the CommandCenter

❖ A controller does not appear. Try the following steps:

1. Ensure the Implement Bus is turned ON in the CommandCenter.
2. Cycle power of the display.



NOTE: If the controller does not appear, check all harness connections.

Force All Controllers to Appear in the Second Display

❖ A controller appears on the opposite display. Try the following:

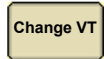
1. Select the Implement Bus checkbox.
2. Ensure the Implement Bus is turned OFF in the CommandCenter.
3. Cycle power of the display.



Other Tips (Next VT, Change VT)

❖ If you desire for a specific controller to run on another display, some controllers may be capable of moving to the display without the use of Multiple Display Settings.

1. Navigate to the appropriate controller page.
2. Select Next VT or Change VT



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This Chapter pertains to GreenStar™ applications including, but not limited to AutoTrac™ and Swath Control.

Getting Started





Access GreenStar Applications

All information and functionality related to GreenStar applications is accessed with the GreenStar Softkey.

1. **Menu** 
2. **GreenStar** 

GreenStar Activations



Activations are required for GreenStar applications other than Manual Guidance. Check the Activations page to see if an Application is Activated and checked ON.

1. **Menu** 
2. **GreenStar** 
3. **Settings Softkey** 
4. **Activations** 

What Needs to Be Set Up

The amount of setup information that must be entered depends on the applications being used. A Setup Wizard is available to guide you through each setup page.

Using the Setup Wizard

1. **Menu** 
2. **GreenStar** 

3. **Setup Wizard**



a. **Basic Setup** - For quick Straight Track guidance setup.



b. **Standard Setup** - For Equipment, Documentation, fields, and Guidance setup.



4. Fill out the necessary items on each setup page and press Next to continue.



NOTE: All items must be filled out on each page before the Next button will appear.

Change Field Name

Several types of setup data are tied to Field Names including Guidance lines and maps.

NOTE: Field Names can only be edited or deleted individually using apex or another type of desktop software. To delete all data and setup information in the display, Backup data to a USB and select that option.

1. **Menu**



2. **GreenStar**



3. **Quick Change Field**






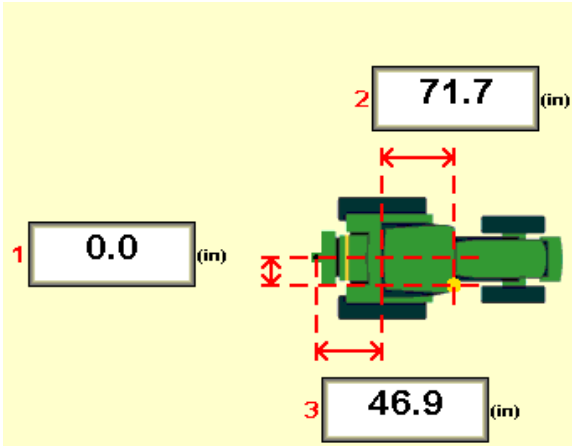
4. Select or create a new Client, Farm, and Field name.

NOTE: The Client is the land owner in many cases.

Machine Setup

Machine Offsets

- 1. **Menu** 
- 2. **GreenStar** 
- 3. **Setup Wizard** 
- 4. **Next** 





- 1- Lateral distance from the center point of the machine to the center of the GPS receiver.
- 2- In-line distance from the non-steering axle to the center of the GPS Receiver.
- 3- In-line distance from the non-steering axle to the connection (or pivot) point.

Non-Steering Axle:

- Rear Axle
 - Row Crop Tractor (Wheel)
 - Self-Propelled Sprayer
 - Track Tractor
- Front Axle
 - Four Wheel Drive

- Combine
- Self-Propelled Forage Harvester

❖ Offset  toggles receiver to side other side of implement.

❖ Axle  toggles non-steering axle to front.

Connection Type Examples

Rear Rigid 3-pt



Front Rigid 3-pt



Rear Pivot 2-pt



Rear Pivot Drawbar



Rear Pivot Wagon-Hitch



Implement Setup

Implement Offsets

NOTE: Grayed out settings were automatically detected from the implement controller. They can be changed in the implement controller setup (e.g. SeedStar, SprayStar). The display may need to be restarted for those changes to take effect.

NOTE: Implement settings can be recalled by selecting the Implement Name that was set when settings were entered.

1. **Menu**



2. **GreenStar**



3. **Setup Wizard**



4. **Next**

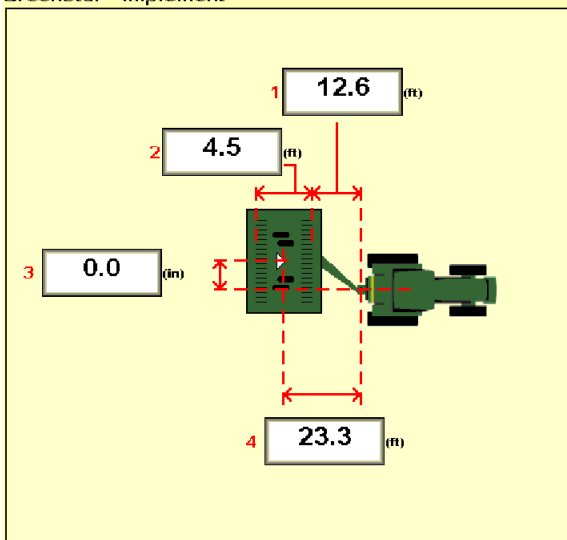


5. **Enter Offsets**



NOTE: Offset  *toggles implement offset (3) to other side.*

GreenStar - Implement



1- In-line distance from the connection (or pivot) point to the first working point of the implement.

2- In-line distance from the first working point to the second working point. (e.g. location of seed drop, spray nozzles, cutter bar).

NOTE: 1+2 = The point where map recording happens and where Swatch Control Pro turns sections on/off.

3- Lateral distance from the center point of the machine to the center point of the working width of the implement.

NOTE: This measurement (3) is used for map recording on implement configurations that are offset to one side.

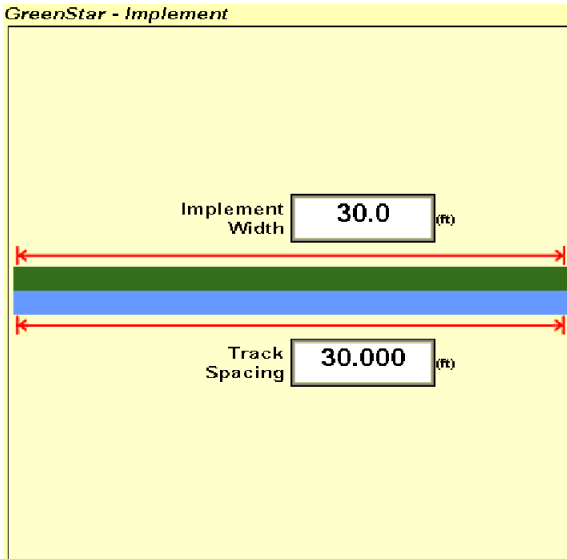
4- In-line distance from the connection (or pivot) point to control point of the implement.

NOTE: This measurement (4) is important for modeling the position of the implement, particularly on curves.

Connection (or Pivot) Point- The point where the implement connects to the machine or the pivot point between the implement and machine depending on Connection Type. It should be the same point used in measurement C of machine setup.

Control Point- Point that the implement rotates around; usually the center of all transport wheels. This point is at the connection point for 3-point mounted implements.

6. Enter Widths



Implement Width (Working Width)- The actual width of planter, sprayer, or harvester.

Coverage Recording Source

1. Select Coverage Recording source

2. **Next**



Data Management

All settings and recorded data can be transferred to and from a display of the same model or Apex desktop software. All data and settings are imported or exported as a Data Profile.

Backup Data from the Display

1. Turn off all types of Recording and stop the vehicle.
2. Insert USB flash drive.

NOTE: The display's internal memory has 256 MB of capacity for field data.

3. A **"USB Detected"** message will appear if the display recognizes the USB memory device. Read and **Accept**.



Troubleshooting Tips!!! Try the other USB port (if equipped) or a different USB memory device.

NOTE: The USB must be formatted to FAT or FAT32.

4. **Menu**



5. **GreenStar**



6. Read and **Accept** any alert messages



7. **Transfer Data**



8. **Backup Data**



9. Select or create a Profile name where the data will be stored on the USB.



IMPORTANT: Backup of data to an existing Profile will overwrite all data and settings in that Profile.

10. Check the box if you would like to Delete All Data and Setup Information from the internal Memory. This clears the internal


memory and will reset the Setup Information to factory defaults after backup is complete.

Delete files from internal memory after backup is complete

11. A green status bar will appear while data is transferring. When finished, a “Data Transfer is Complete” message will appear.





IMPORTANT: To prevent data loss, do NOT remove the USB or crank the engine during data transfer.

Importing Data to the Display

1. Turn off all types of Recording and stop the vehicle.
2. Insert USB memory device with a Data Profile from a display of the same model or Apex.
3. A “**USB Detected**” message will appear if the display recognizes the USB memory device. Read and **Accept**. 

Troubleshooting Tips!!! Try the other USB port (if equipped) or a different USB memory device.

NOTE: The USB must be formatted to FAT or FAT32.





4. **Menu** 
5. **GreenStar** 
6. Read and **Accept** any alert messages 
7. **Transfer Data** 
8. **Import Data**
9. Select Data Profile to be imported

IMPORTANT: The imported Profile will overwrite all data and setup information in the display.

10. A **“Import File”** message will appear. Read and select **Yes** to import the file or select **No** to decline the import file.
11. A green status bar will appear while data is transferring. When finished, a **“Data Transfer is Complete”** message will appear.

IMPORTANT: To prevent data loss, do NOT remove the USB or crank the engine during data transfer.

View Memory Remaining

1. **Menu** 
2. **GreenStar** 
3. **GS2** 
4. **Diagnostic** 
5. Select **Recording** from the list
6. View **“Memory Space Left (MB)”**. Status bar will indicate the amount of used internal memory space.






Transferring Data between Two Displays

Apex or a compatible 3rd party desktop software is required for transferring data and setup information between different John Deere Display models (i.e. Original GreenStar Display, GS2 1800, GS2 2600, GS3 2630, and GS3 CommandCenter). Due to different file versions, data will not load when transferred directly between different models.

Follow the steps for backup and import to transfer setup information and data between two displays of the same model. The data will NOT be merged. All setup information and data on the second display will be replaced. Think of the transfer as moving a CF card from one GS2 2600 to another.

Data Cleanup

Data cleanup removes Clients, Farms, or Field Names from the display's internal memory.

1. **Menu** 
2. **GreenStar** 
3. **GS2** 
4. **Settings** 
5. **Data Cleanup** 

6. Select the type of data to delete:

Data Cleanup
Select the type of data you wish to delete

↑	Client:
↓	Farm:
↓	Field:

7. Select items to delete:











NOTE: If an item has been selected in the setup wizard it will be grayed out and will not be able to delete it.

NOTE: To select a checkbox, scroll and select the entire checkbox list area. Select the desired checkbox. To exit the checkbox list, press the Cancel "X" button on the display.

8. **Delete Selected Data** 

Record a Boundary

Field boundaries are useful for calculating field area or when using Swath Control. The Setup Wizard must be completed before creating a boundary.

1. **Menu** 
 2. **GreenStar** 
 3. **Field** 
 4. **Boundary** 
 5. Choose Exterior or Internal Boundary
- NOTE: An Exterior Boundary must be created before an Internal Boundary can be created. An Internal Boundary will require a Name.*
6. Enter Boundary Offset (m) 
 7. Select which side to apply the Offset 
 8. **Next** 
 9. **Record** the boundary 
 10. **Pause** boundary recording 
 11. **Stop** boundary recording 
 12. Select **Yes** to complete the boundary

NOTE: When Stop Boundary Recording is selected, the beginning and end of the boundary line will be connected with a straight boundary line.

NOTES

A large empty rectangular box with a black border, intended for user notes.

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Getting Started

This section includes basic functions for using Guidance.

Accessing Guidance Functions

1. **Menu** 
2. **GreenStar** 
3. **Guidance** 

NOTE: The Guidance button is also available on the Run (map) page.

Requirements for Guidance Operation

- ❖ The following items are **required** for guidance to function:
 - AB Lines
 - GPS Signal
 - Tracking Mode
 - Track Spacing
- ❖ The following items are **optional** when operating guidance:
 - Client, Farm, and Field
 - Coverage Map
 - Field Boundaries
- ❖ Read the AutoTrac Status Pie section for AutoTrac requirements.

AutoTrac Status Pie

The AutoTrac Status Pie indicates what items are remaining to be setup for AutoTrac to function.



Stage 1: Installed

- SSU is detected



Stage 2: Configured

- Tracking Mode has been selected
- Guidance AB Line has been defined
- AutoTrac Activation detected
- StarFire signal is present
- SSU has no active faults pertaining to the steering function
- Hydraulic oil warmer than minimum temperature
- Speed is less than maximum
- TCM message is currently available and valid
- In proper operating gear



Stage 3: Enabled

- Select **Auto**



Stage 4: Activated

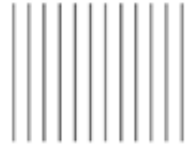
- Press **Resume Switch** on the Machine

Choose Tracking Mode

GreenStar guidance has several different tracking modes to suit almost any field layout and operator preference.

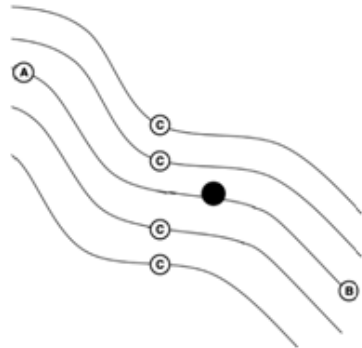
Straight Track Mode

Straight Track mode assists operator in driving straight parallel paths by using display and audible tones to alert operator when machine is off track.



AB Curve Mode

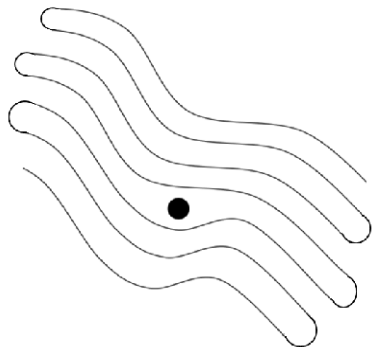
AB Curves allows an operator to drive a curved line in the field with two end points (beginning and end). The passes parallel to the track in either direction will be generated based on the original driven track. Each pass is generated from the original driven pass to ensure that steering errors are not propagated through the entire field. The passes are not identical copies of the original pass. The curvature of the pass changes to maintain pass to pass error.



- A—Start Recording of AB Curve
- B—Stop Recording of AB Curve
- C—Paths Generated

Adaptive Curve Mode

Adaptive Curve allows the operator to record a manually driven path. The vehicle can be guided along subsequent passes, based on the previous recorded pass. The passes are not identical copies of the original pass. The curvature of the pass changes to maintain pass to pass error. When necessary, the operator can change the curve path anywhere in the field by simply steering the machine off the propagated path.





NOTE: The curvature of the path changes as the subsequent paths get more convex or concave.






Guidance Track Setup

Step 1) Enter Track Spacing

Track Spacing is entered as part of the Setup Wizard.

1. **GreenStar** 
2. **Spacing** 
 - **Implement Width** – used to generate on screen map and for area calculations.
 - **Track Spacing** – define the desired overlap or skip between passes

Step 2) Select Tracking Mode and Guidance Track

1. **GreenStar** 
2. **Guidance** 
3. Select desired **Tracking Mode** 
4. Select the name of track or create a New Track. Check the Edit Track box to make changes to an existing Track. 
5. **Next** 

Step 3) Create a Guidance Track

❖ Use the following steps for the appropriate track type.

Create AB Straight Track

There are several ways to create an AB Straight Track. Straight Track must be selected in the Tracking Mode list on the Guidance page.

A + B Method

1. Drive to desired beginning of AB line, **Set A**



2. Drive toward desired end of AB line, **Set B**



A + Heading Method

1. Drive to desired beginning of AB line, **Set A**



2. **Set Heading**



3. Enter desired **Heading** to **Set B**

Auto B Method

1. Drive to desired beginning of AB line, **Set A**



2. Drive toward desired end of AB line. Automatically Set B The B point will automatically set after 49 feet (15 meters).



Lat / Long Method

1. **Set A** Point Latitude and Longitude



2. Enter coordinates to **Set A**

3. **Set B** Point Latitude and Longitude



4. Enter coordinates to **Set B**

Lat / Long + Heading Method

1. **Set A** Point Latitude and Longitude



41.49254355

2. Enter coordinates to **Set A**

-90.49357544

3. **Set Heading**



0.0000

4. Enter desired Heading of **B point**

Create an AB Curve Track

AB Curves must be selected in the Tracking Mode list on the Guidance page.

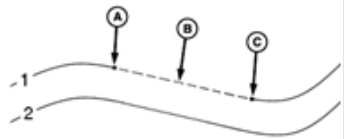
1. **Record** initial pass



- a. Selecting **Pause** will allow user to pause recording vehicles path.
- b. When recording is un-paused it will connect the two points into a straight line.



- A – Recording Turned ON then PAUSED
- B – Bridge segment is generated to connect points
- C – Recording UNPAUSED



2. **Stop Recording** at the end of the desired AB Curve



Create Adaptive Curve Track

Adaptive Curves must be selected in the Tracking Mode list on the Guidance page.

1. **Record** initial pass
 - a. Selecting **Pause** will allow user to pause recording vehicles path.
 - b. When recording is un-paused it will connect the two points into a straight line.
2. Stop Recording at the end of the desired Adaptive Curve.



Create a Circle Track

Drive Circle Method

1. **Record** initial circle pass
2. **Stop Recording** at the end of the circle pass



Lat/Lon Method

1. Set Center Point Latitude and Longitude
2. Enter coordinates for Center Point




41.49254355

-90.49357544

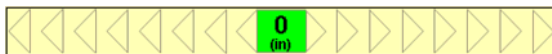
Delete Track

1. **GreenStar**
2. **Guidance**
3. Select **Type of Track** to delete



- 4. Select **Track name** to delete
- 5. **Delete Track** 
- 6. Select **Yes** to delete track

Run Page



- Pass Accuracy
- Variance from "0" shows Off-track Error

• Status Pie



• **Steering On/Off** Button






• GPS Accuracy Indicator








Guidance Settings

Accessing Guidance Settings

- 1. **Menu** 
- 2. **GreenStar** 
- 3. **GS2** 
- 4. **Settings** 

General Guidance Settings

- 1. **General Settings** 
- 2. Choose selected settings.
 - Turning View
 - Turn Predictor
 - AutoTrac Deactivation Message
- 3. **Next Page** 
- 4. Set Tracking Tones 
4 (in)
- 5. Set Lead Compensation 
0 (in)
- 6. **Accept** 

AutoTrac Settings

- 1. **AutoTrac Settings** 

2. Enter **Steering Sensitivity**
3. **Accept**

Advanced AutoTrac Settings (if equipped)

Use Advanced AutoTrac Settings to optimize AutoTrac performance. AutoTrac Advanced settings are only available on some vehicle types.

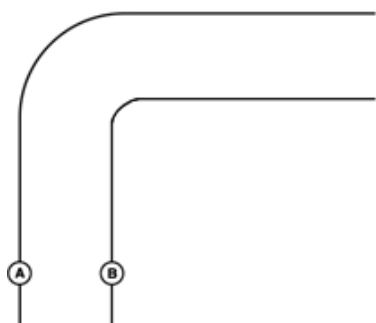
<input data-bbox="298 402 341 451" type="button" value="?"/>	Line Sensitivity Heading	<input data-bbox="543 407 586 440" type="button" value="-"/>	<input data-bbox="607 402 692 440" type="text" value="50"/>	<input data-bbox="713 407 756 440" type="button" value="+"/>
<input data-bbox="298 459 341 508" type="button" value="?"/>	Line Sensitivity Tracking	<input data-bbox="543 464 586 496" type="button" value="-"/>	<input data-bbox="607 459 692 496" type="text" value="50"/>	<input data-bbox="713 464 756 496" type="button" value="+"/>
<input data-bbox="298 537 341 586" type="button" value="?"/>	Heading Lead	<input data-bbox="543 542 586 574" type="button" value="-"/>	<input data-bbox="607 537 692 574" type="text" value="50"/>	<input data-bbox="713 542 756 574" type="button" value="+"/>
<input data-bbox="298 594 341 643" type="button" value="?"/>	Steering Response Rate	<input data-bbox="543 599 586 631" type="button" value="-"/>	<input data-bbox="607 594 692 631" type="text" value="50"/>	<input data-bbox="713 599 756 631" type="button" value="+"/>
<input data-bbox="298 672 341 721" type="button" value="?"/>	Curve Sensitivity	<input data-bbox="543 677 586 709" type="button" value="-"/>	<input data-bbox="607 672 692 709" type="text" value="50"/>	<input data-bbox="713 677 756 709" type="button" value="+"/>
<input data-bbox="298 729 341 777" type="button" value="?"/>	Acquire Sensitivity	<input data-bbox="543 734 586 766" type="button" value="-"/>	<input data-bbox="607 729 692 766" type="text" value="50"/>	<input data-bbox="713 734 756 766" type="button" value="+"/>

- Describes each function

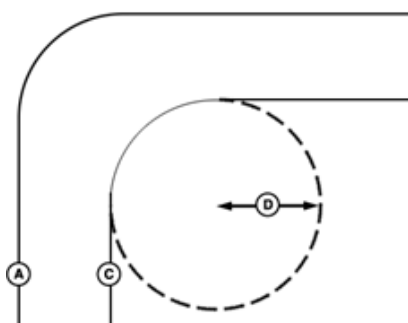
Curve Track Settings

1. **Curve Track Settings**
2. Smooth Tight Turns Smooth Tight Turns ON

Smooth Tight Turns OFF



Smooth Tight Turns ON



3. Select Implement In-Ground Turn Radius (ft)

4. **Next Page**

5. Choose Recording Source

a. Clear Adaptive Curve Data

b. When recording a new path, Repeat Mode should be unchecked or OFF. To follow existing paths, Repeat Mode should be ON or checked.

Repeat Mode

6. **Accept**

Lightbar Settings

1. **Lightbar Settings**

2. Select Step Size for distance that each light on the Lightbar represents. (in)

3. Select how the Lightbar indicates where to steer when off the track.



Steer Towards Direction

Off-Track Direction





4. **Accept**

Shift Track Settings

Select Type of Shifts

- 1. **Shift Track Settings** 
- 2. Select type of shifts
 Shifts Off
 Small Shifts
 Large Shifts
Shift Size
0.0 (in)
- 3. **Accept** 

Clear Shifts

- 1. **GreenStar** 
- 2. **Guidance** 
- 3. **Clear shifts** 
- 4. Select **Yes** to clear shifts 

NOTES

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Monitor Machine Performance

Performance Monitor provides productivity information such as vehicle speeds, acre counters, and fuel efficiency data. The information available to be displayed depends on the vehicle on which the display is installed.

View in Performance Monitor

- 1. **Menu** 
- 2. **Performance Monitor** 
- 3. **Performance Information** 
- 4. **Performance Totals** 





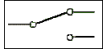

NOTE: The Performance Totals page will populate several options such as travel counters and vehicle information.

View on Homepages

Use Layout Manager to add a Performance Monitor screen for any Home Page.

Performance Monitor Setup

Setup Area Counter

1. **Menu** 
2. **Performance Monitor** 
3. **Settings** 
4. Enter Implement Width 
5. Select a control source to start and stop the Area Counter. The available options depend on the vehicle configuration.
 - Implement Whisker Switch 
 - Use source from John Deere implement
 - Manual 
 - Front Hitch
 - Rear Hitch

Performance Monitor Totals

Performance Monitor calculates a running total of several values including acres and distance.

Acre Counter Manual Start and Stop

NOTE: Manually starting and stopping the Area Counter is not necessary when the Area Counter control source is set to an option other than Manual.

1. **Menu**



2. **Performance Monitor**



3. **Performance Monitor Main**



4. **Acre Counter Start / Stop**



ON



OFF



Resetting Performance Monitor Totals

1. **Menu**



2. **Performance Monitor**



3. **Totals**



4. **Reset Distance**



5. **Reset Average Totals**



There are two reset buttons on the page. Each is displayed within the group of values that it resets.

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SWATH CONTROL SETTINGS..... 4
Turn On/Off Settings..... 4
Overlap Settings 4

Getting Started

This section includes basic functions for using Swath Control with product applications. Use the Setup Wizard to setup the machine and implement before using Swath Control.

NOTE: Boundaries are not required but may be helpful when using Swath Control.

Turning Swath Control Pro On/Off

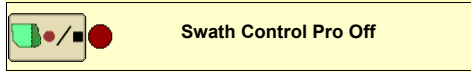
1. **Menu**
2. **GreenStar**
3. Select Swath Control On/Off to enable or disable Swath Control.



Run Page - Swath Control

The following information is shown on the Run Page.

- ❖ Swath Control On/Off enables or disables Swath Control.
- ❖ Section Status Bar displays the system status
 - Swath Control Off



- Swath Control On - Air Cart example

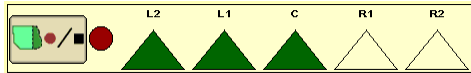


NOTE: Green bar at bottom - Swath Control Enabled and section On.

NOTE: Tank bar is black - Tank is On.

NOTE: Tank bar is clear - Tank is Off.

- Swath Control On - Product Application example







NOTE: Green or blue triangle - Section status is On.

NOTE: A clear triangle - Section status is Off.

Swath Control Settings

Settings are used to fine tune Swath Control for optimal performance.

- 1. **GreenStar** 
- 2. **GS2** 
- 3. **Settings** 
- 4. **Swath Control Settings** 

Turn On/Off Settings

The operator can adjust the Turn on and Turn off settings to fit a specific machine. The Turn on and Turn off settings are to compensate for average physical machine reaction time (Electrical & Mechanical) for applying product. Refer to the Operators Manual for additional information.

- 1. Set the Turn on Time (sec)

NOTE: Turn on Time compensates for the time delay between the system turning on and the product being applied in the field.

- 2. Set the Turn off Time (sec)

NOTE: Turn off Time compensates for the time delay between the system turning off and when the product stops being applied in the field.

NOTE: Implement Offset 1 + Implement Offset 2 is the point that Swath Control uses to turn sections on or off.

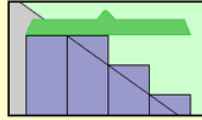
Overlap Settings

The system can be set to minimize overlap (0%), minimize skips (100%), or apply a certain percentage of overlap from 0% to 100%.

1. Set the percentage of overlap

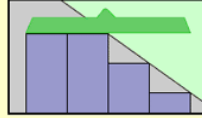
Exterior Boundaries
Amount to Overlap

%



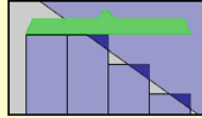
Interior Boundaries
Amount to Overlap

%



Previous Coverage
Amount to Overlap

%



NOTES

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 Standard Setup Mode..... 3





DOCUMENTATION BASICS TOTALS..... 3

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Getting Started







This section includes basic functions for using Documentation Basics. Use the Standard Setup Mode in the Setup Wizard to setup Documentation Basics.

Accessing Documentation Basics

- 1. **Menu** 
- 2. **GreenStar** 
- 3. **Setup Wizard** 
- 4. **Standard Setup Mode** 



Documentation Basics Setup

Standard Setup Mode

- 1. **GreenStar** 
- 2. **Setup Wizard** 
- 3. **Standard Setup** 
- 4. Select **Machine** 
- 5. Select **Implement** 
- 6. Select **Task**
- 7. Select **Crop Type** or **Product Type** 
- 8. Select **Client**
- 9. Select **Farm**
- 10. Select **Field**
- 11. **Tracking Mode** (optional)

Documentation Basics Totals

Viewing Totals

- 1. **Menu** 
- 2. **GreenStar** 

3. **GS2**



4. **Documentation**



5. **Totals**



Reports

A PDF report of the recorded data is created when data is transferred from the display to the USB flash drive.

Reports will be found on the USB drive on the following path:

<USB-Stick>: \ GS2_1800 \ profile name of backup \ Reporting \ <report>.pdf \ <report>.csv

NOTE: Documentation Basics requires an activation on the display for it to be an option.

NOTE: John Deere Documentation Basics will only support implements that are performing one operation only. See operators manual for more details.