



## Trimble GFX Series GFX-750 Display System User Guide

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### QUICK REFERENCE CARD Trimble GFX Series DISPLAY SYSTEM



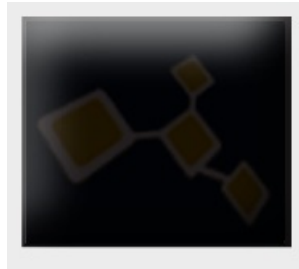
### PRODUCTIVITY SOFTWARE INCLUDED

Each display is installed with the basic tools you need to get the most out of your equipment.

**Precision-IQ™** field application: Cred In-field ag software that allows you to visualize, execute, and record operational tasks.



**App Central:** Download and try value-added applications. Manage system licenses and software updates.



### **GFX SERIES DISPLAYS**

The Trimble® GFX series of displays were designed and developed to work in the most rugged of farm environments. With sizes starting at 7 inches (178 cm), each display includes built-in Wi-Fi and Bluetooth® support and provides the operator with an extensive view of any field task.

### **GNSS GUIDANCE CONTROLLERS**

Paired with either the NAV-900 or NAV-500TM GNSS guidance controller, a complete precision agriculture experience awaits you!



**NAV-900**



**NAV-500**

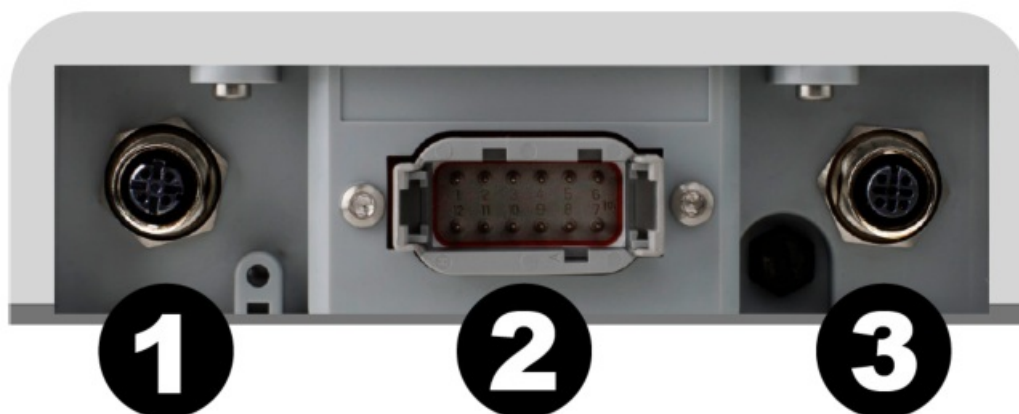
### **GFX SERIES DISPLAY**

Rear View (GFX-1060 display shown)



	Description	Use to ...
1	Power button	Turn the display on or off.
2	USB ports Tinch display: 1 port only	Connect a USB drive to transfer data to/from the display.
3	Expansion Port 1 (M12 5-pin)	Connect to various inputs and outputs.
4	Expansion Port 2 (M168 Pin) Port not available on some models	Connect to various inputs and Outputs.
5	Power connector	Connect to a vehicle power source.
6	Ethernet port/ Power out (Spin D code )	Connect to and power guidance controller (GNSS-1).

**GUIDANCE CONTROLLER**  
**Rear View (NAV-900 shown)**

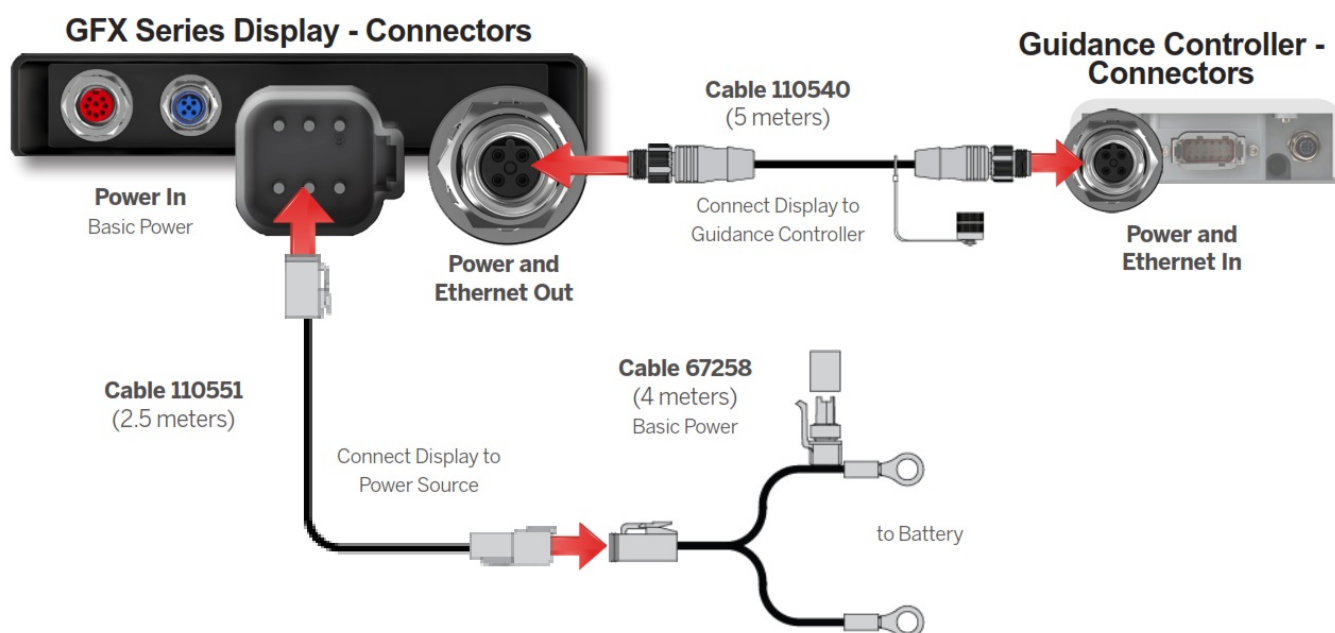


Description		Use to ...
1	Ethernet port/ Power in (Spin D code)	Data and power connection from the display.
2	Main Port (12 pal DTM)	Connects to various Autoguidance systems.
3	RTK Radio Port (5-pin A oode) Available on NAV-900 only.	Connects to RTK radios.



**CAUTION!** Some connectors may appear similar, but are keyed differently to ensure correct component connection. Ensure that you have the correct cable before connecting, and do not use excessive force or damage may result.

### CONNECTING A GFX SERIES DISPLAY TO A GUIDANCE CONTROLLER




	Region	Use to ...
1	Status Bar	At-a-glance view of application control, auto guidance, satellite connectivity, and more.
2	Resource Tiles	Create and select a resource profile you need for your task.
3	Activity Bar	Navigate to other functional screens within Precision-IQ.
4	Function Buttons	Access the settings to customize your Precision-IQ environment, and access the data transfer function.

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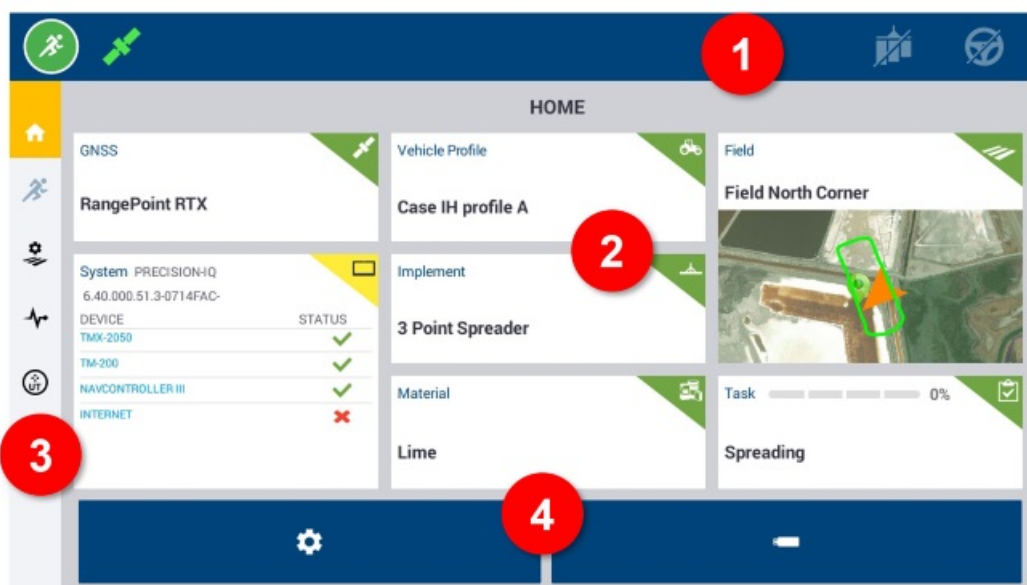
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## Resource Tile Color Codes

Each resource tile is color-coded to show you the at-a-glance status of each resource.

	<b>Green</b> indicates the resource has been properly selected and configured for entering the Run screen.
	<b>Red</b> indicates the resource has not been selected, that the selected resource contains a configuration error or that a peripheral device, or resource required by the resource is not connected or has a conflict. You can not enter the Run screen.
	<b>Yellow</b> indicates that the selection of a resource is required but has not yet been made or that the selected resource requires the selection of another resource.
	<b>Gray</b> is reserved for the Vehicle tile and shows that the vehicle is ready for use.

Tap the Precision-IQ widget on the Launcher screen to begin

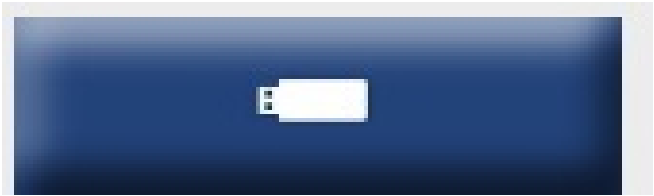


## FUNCTION BUTTONS

### Data Transfer

All data collected by Precision-IQ can be transferred to Trimble Ag Software or to other Precision-IQ displays. This

data is used to efficiently and effectively manage your farm. On the Home screen, tap the Data Transfer button to begin. You can transfer this collected data:



- Automatically using Trimble Ag Software’s AutoSync™ feature through a cellular or Wi-Fi connection.
- Manually using a USB drive through the USB port on the display.

**User data can also be deleted from this screen.**

For details about Trimble Ag Software or AutoSync, see: <https://agriculture.trimble.com/software/farmers/Settings>

**Settings**  
A variety of settings allows you to customize your Precision-IQ environment and adjust the features to suit the field task.

On the Home screen, tap the Settings button to begin.



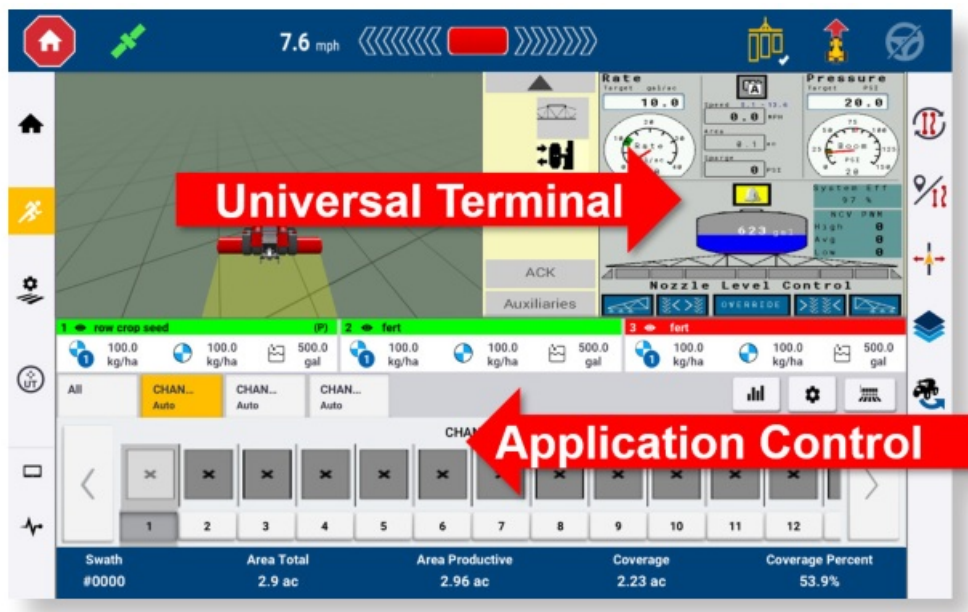
**PRECISION-IQ RUN SCREEN EXAMPLE**

	Region	Use to ...
1	Status Bar	At-a-glance view of application control, auto-guidance, satellite connectivity, and more.
2	Resource Tiles	Create and select a resource profile you need for your task.
3	Activity Bar	Navigate to other functional screens within Precision-IQ.
4	Function Buttons	Access the settings to customize your Precision-IQ environment, and access the data transfer function.

**Run Screen Views**

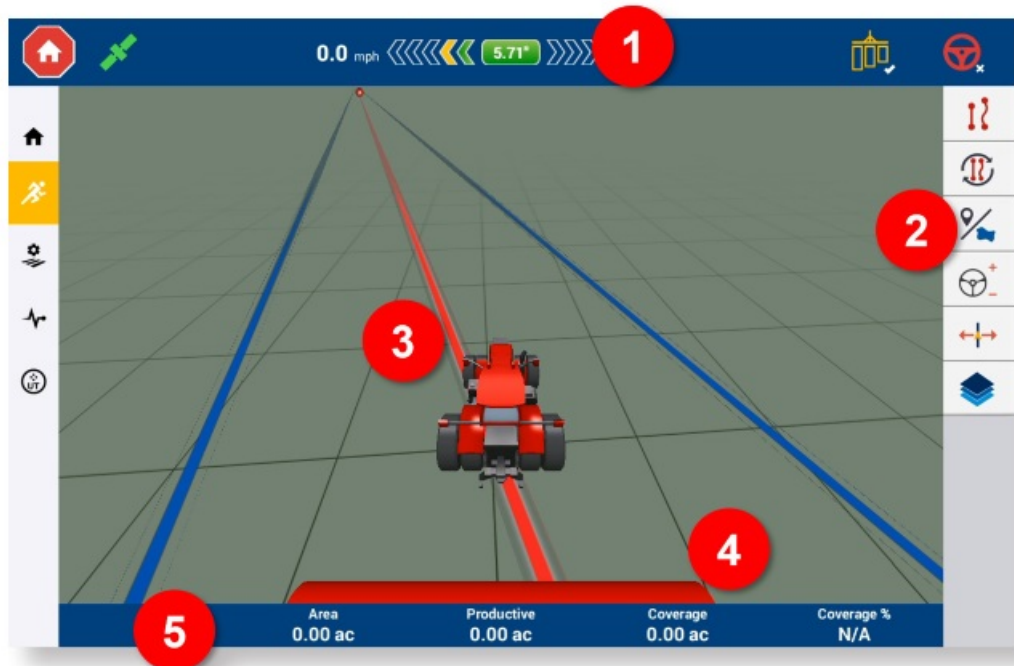
The Run screen is divided into virtual quadrants. You can choose how much or how little detail on which to focus, as in this example:





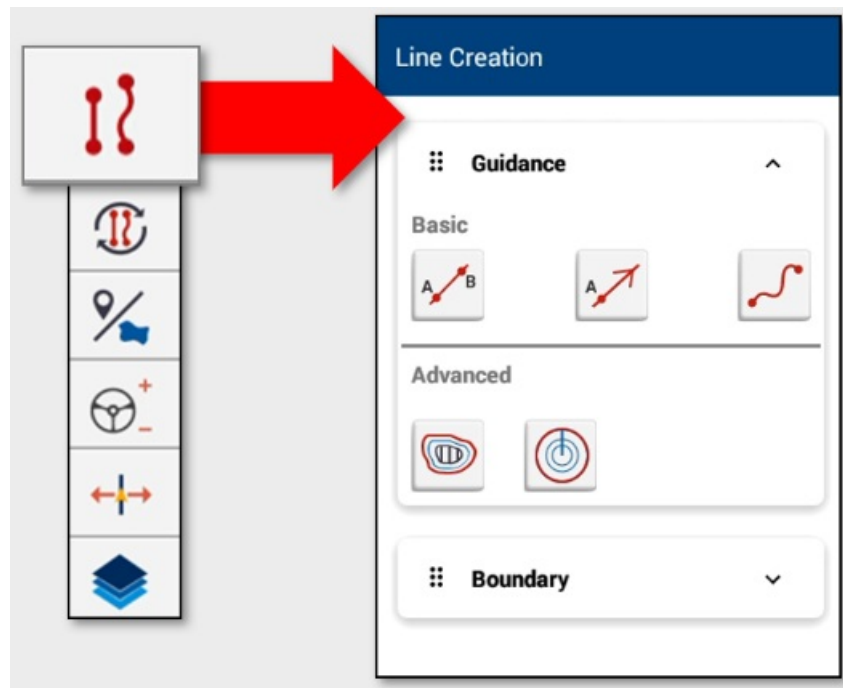
	Collapse/Expand icons will toggle the view to be full-screen c basic size.
	Swap: Some quadrants can display more than one view. if you see this icon in the upper-right ccmr of the quadrant.then king press it to switch between views.

Tap the Run button on the Home screen to enter the Run screen



### Customize Run Screen Functions

Tap a feature button to open a drawer where you can configure and modify on the fly the settings for that function. For example, tap the Line Feature button to open the Line Creation drawer. From here you can record a guidance line, pivot point, boundary, and more:



## COMMON PRECISION-IQ ICONS AND BUTTONS

The Precision-IQ user interface includes icons and buttons used to enable and configure a variety of functions and activities in the application.

### Activity Bar Icons



Return to the Precision-IQ Home screen.



When active, return to the Run screen.



Open the Field Manager. Customize and configure details about your field.



Open the Diagnostics screen. Generate detailed reports on various Precision-IQ activities.



Access an optional External Camera. If your system does not have an external camera, then this icon will not appear.

### Function Buttons



Customize your Precision-IQ session with the Settings button available on the Home screen.



Transfer data to and from your display using the Data Transfer button available on the Home screen.

### Emergency Stop



Tap the Emergency Stop icon from any screen to stop all activities controlled by the display.

### Status Bar Buttons and Icons



When green, the Run button shows that work is ready to begin. Tap this button to enter the Run screen.



When red, the Stop button shows that work is being done in the Run screen. Tap this button to end a task.





Check the GNSS Status with this icon. Tap this icon to show the number of satellites currently in use. Color-coded to show at-a-glance status.



When enabled, shows the activity of Master Coverage Logging. Color-coded to show the different states.



When enabled, shows the availability of Autosteer. Color-coded to show the different states.



Vehicle Heading Swapper. Changes the vehicle heading.



**CAUTION** Take care when setting up these details. The values you set in these steps are critical for in-field system performance and data integrity during run-time operations.

For details on how to configure and select Precision-IQ resources, contact your authorized Trimble Reseller.

## Run Screen Icons



Tap the Line Creation button to open a drawer to define the boundaries, pivots, and lines for your field.



Cycle through the available patterns for your field using the Pattern Select button. Long press for manually created options



Tap the **Field Features** button to open a drawer to define points, lines, and areas for your field.



Tap **Steering** to set the steering aggression.



Tap **Nudge** to adjust the amount of nudge or trim currently applied to the implement position.



Tap **Layers** to see different aspects (layers) of coverage on the screen.

## Guidance Patterns



On the Run screen, you can define the boundaries, guidance patterns, and any number of landmarks. Tap the Line Creation button to define the boundaries, pivots, and lines for your field.



Record a Boundary for your field. This setting defines the edges of your field.



Create a Headland for your field. Use this pattern to create a boundary with infilled lines.



Record a Pivot for fields that are irrigated using a center pivot.



Create a simple AB Guidance Line when you do not need a headland and you want to drive the field in parallel straight lines.



Create an A+ Directional Guidance Line when you need guidance exactly parallel to the last AB line.



Record a Curved Line when you want to work the field with gentle curves.

## Recording Buttons



Record a guidance pattern.

**A** When recording a guidance line, tap to Set A.

**B** When recording a guidance line, tap to Set B.



Once you are satisfied with the guidance pattern recording, tap Complete.



Pause the recording of a guidance pattern.







Cancel the recording of a guidance pattern.

## Landmarks



On the Run screen, you can define a variety of points, lines, and area landmarks. Tap the Field Features button to define them for your field:

	Create a Landmark Point for your field. A Landmark Point identifies singular elements of your field to be avoided, such a tree, rock, etc.
	Create a Landmark Line for your field. Use this line to identify continuous elements of your field to be avoided, such as a fence, ditch, access road, etc.
	Create a Productive Landmark Area for your field, such as a crop zone.
	Create a Nonproductive Landmark Area for your field, such as a pond, marsh, or area that does not need to be worked again.

## Declaration of Conformity

Hereby, Trimble Inc, declares that the radio equipment type Autopilot, GFX-350, GFX-1060, NAV-500, and NAV-900 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<https://agriculture.trimble.com/solutions/guidance-steering/>

## Documentation Resources

This document provides a general overview of the basic features of Precision-IQ and the GFX/XCN display series. For complete documentation, including installation guides and reference manuals, visit the following URL:

<https://agriculture.trimble.com/solutions/guidance-steering/>

## Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body.

**Industry Canada statement:**

This device complies with ISSED's license-exempt RSS. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution :

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

**Radiation Exposure Statement:**

This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

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## Documents / Resources

The image shows the Trimble GFX Series Display System logo, which includes the text "Trimble GFX Series" and "DISPLAY SYSTEM" above a small photograph of the display unit.	<p><a href="#">Trimble GFX Series GFX-750 Display System</a> [pdf] User Guide BM25SD, I4L-BM25SD, I4LBM25SD, GFX Series GFX-750 Display System, GFX Series, GFX-750, Display System</p>
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## References

-  [Data Management - Trimble Agriculture](#)
-  [Guidance & Steering - Trimble Agriculture](#)