



PTx Trimble's family of GFX displays is made for the work you do. Rugged and robust and is suited to any size operation wanting cost effective precision agriculture technology on their machines.

PTx Trimble's GFX displays have been engineered to help manage all aspects of your field operations from an intuitive platform while facilitating simpler data sharing across your farm.

- ▶ Android-based for controlling and executing all in-field work.
- ▶ Ease of use and powerful feature set.
- ▶ Flexible to use with either the NAV-500 or NAV-900 guidance controller.

Available Screen Sizes

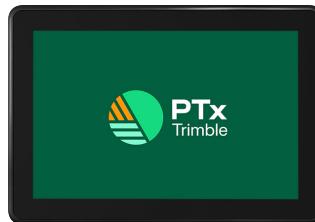
The GFX display series is available with screens starting at **7 inches (17.78 cm)** with the GFX-350, to **10 inches (25.4 cm)** with the GFX-1060, to **12 inches (30.48 cm)** with the GFX-1260.

Select a screen size that best suits the needs of your operation.

GFX-1260



GFX-1060



GFX-350



GFX Display Series - Rear View

GFX-1260



GFX-1060

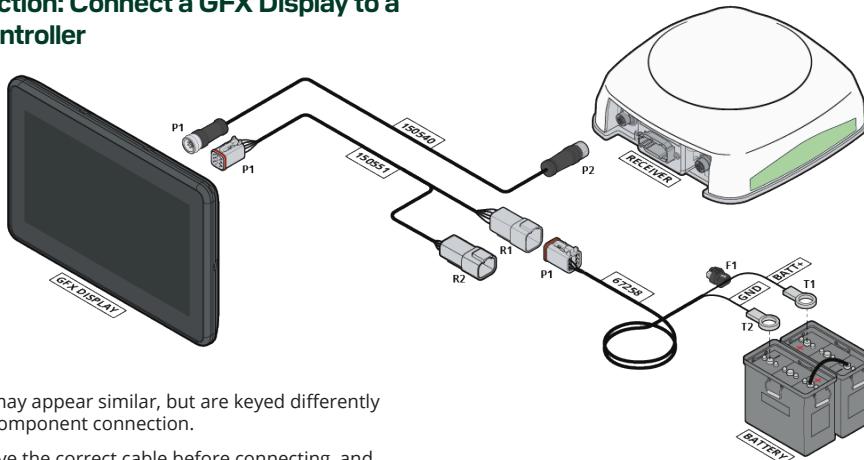


GFX-350



	Description
1	Power button - turn the display on/off
2	Speaker
3	Mount - connect a RAM mount to install display in the vehicle
4	USB port(s) - connect a USB drive to transfer data to/from the display GFX-350 display has one (1) USB port
5	Expansion port - connect to various inputs and outputs Expansion port 1: M12 5 pin Expansion port 2: M16 8 pin GFX-350 display has one (1) expansion port: M12 5 pin
6	Power connector - connect to vehicle power source
7	Ethernet port/power out - connect to and power guidance controller GNSS-1, GNSS-2: 4-pin D code GFX-350 and GFX-1060 displays have one (1) Ethernet/power port for GNSS-1: 4-pin D code

Basic Connection: Connect a GFX Display to a Guidance Controller



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.

Precision-IQ

Precision-IQ is a vehicle and auto guidance system developed for users to manage vehicle profiles and configure auto guidance features for precise and efficient operation.



Precision-IQ Home Screen

The Precision-IQ *Home* screen is the starting point for all resources used for working in the field.

From selecting a field to work in to configuring an implement to work with, the *Home* screen provides a quick view of the readiness of all resources you will use on the *Run* screen.



Status Bar | Activity Bar

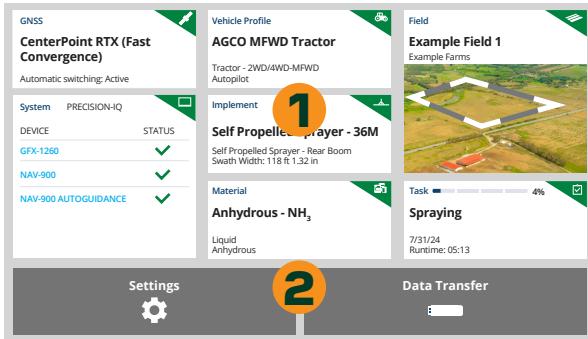
All Precision-IQ screens have the status bar and activity bar available.



1	Status bar Quick view of satellite connectivity, application control, auto guidance, etc.
2	Activity bar Navigate to other functional screens within Precision-IQ

The status bar provides a high-level status of the current activity of Precision-IQ. Licensed features - such as **xFill®** Technology, **NextSwath™** end-of-row turn technology - are represented in the status bar as they are engaged.

Home Screen Elements



1	Resource tiles - manage resources required for completing a task
2	Function buttons - access Precision-IQ settings and data transfer function

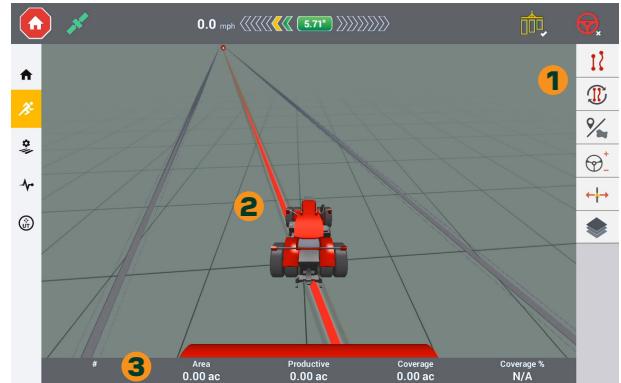
Resource Tile Color Codes

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

- ▶ **Green** - resource has been properly selected and configured for entering the *Run* screen.
- ▶ **Yellow** - selection of a resource is required but has not yet been made or that the selected resource requires the selection of another resource.
- ▶ **Gray** - reserved for the **Vehicle** tile and shows that the vehicle is ready for use.
- ▶ **Red** - 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 cannot enter the *Run* screen when a resource is red.

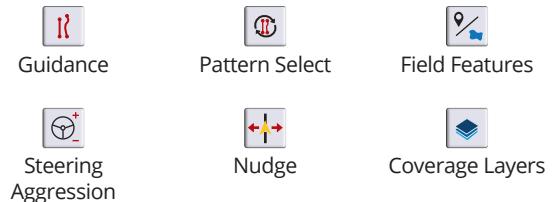
Precision-IQ Run Screen

With the resources selected, enter the Precision-IQ *Run* screen to begin working the field.



Description	
1	Feature buttons - open a drawer to adjust features such as guidance, landmarks, steering, etc.
2	Virtual map - shows the vehicle, implement, and any guidance patterns relative to the field.
3	Info bar - shows activity information, with details updating as the work progresses.

Run Screen Feature Buttons

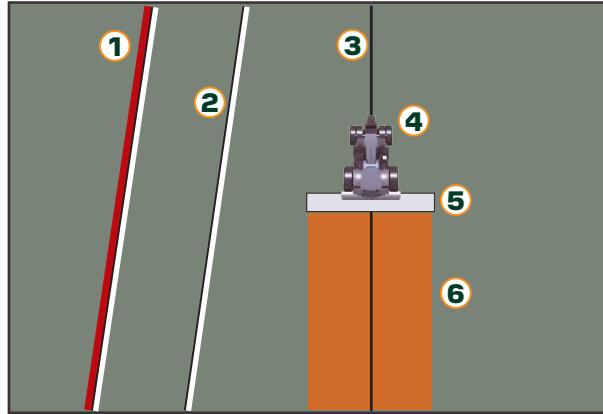


The *Run* screen automatically updates with additional feature buttons as new licenses are activated on the display.

For example:  Remote Output  NextSwath

Run Screen Virtual Map Elements

As you continue to work the field, the virtual map continually refreshes to show the position of the vehicle in relation to the work that has been done and the relevant boundaries of the field.



1	Field boundary	This line shows the outer boundary of your field.
2	Headland	An area assigned to allow the vehicle to turn around for the next swath.
3	Guidance line	The line to drive the vehicle to optimize field coverage.
4	Vehicle	Your position within the field.

5	Implement	The equipment that completes the selected task. When a different implement is used, the guidance lines automatically update to accommodate any changes in implement width.
6	Coverage	As work is performed in the field, the coverage shows the area of the field that has been complete.

ISOBUS Implement Support

External devices enable unique information inputs - such as a Universal Terminal (UT) interface with an attached ISOBUS implement.

When you connect an ISOBUS implement, the *Run* screen provides the interface to manage the implement.

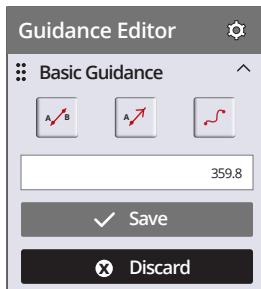


Guidance Editor

The **Guidance Editor** drawer contains all of the guidance patterns you will need for your field - from basic guidance all the way to complex freeform and specialty guidance.

Basic Guidance

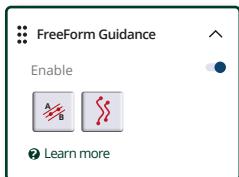
- ▶ **AB line:** define a start and end points
- ▶ **A+ line:** define a point on the line and the direction the line is heading
- ▶ **Curves:** record a line with curved and/or straight segments



FreeForm Guidance

Irregular shaped fields require the ability to adapt guidance behavior to fit the field shape, rather than forcing an inefficient use of straight/curved guidance patterns.

FreeForm Guidance records your current swath and generates one guidance swath to the right and left.



- ▶ **FreeForm AB line:** projected as the vehicle travels away from the original AB line
- ▶ **Freeform Curves:** record a curved line while applying coverage or engaged with auto steering

Simple Boundary

A boundary defines the outer edges of your field.

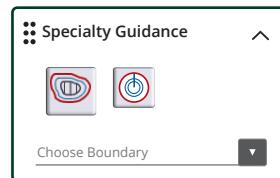
As a best practice, create a guidance pattern **while** recording a boundary. In-field user efficiency is improved by having accurate guidance lines that correlate with boundaries.

Tap the **Guidance Editor** button on the *Run* screen to open the drawer.

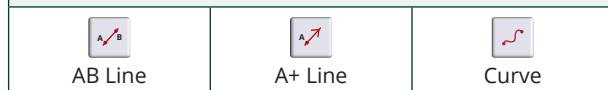


Specialty Guidance

- ▶ **Headland:** a strip of land within the boundary of your field to allow space for the vehicle to turn around to continue the work within the field.
- ▶ **Pivots:** record the exterior curve of a circular field and repeat the pattern.



Basic Guidance Buttons



FreeForm Guidance Buttons



Specialty Guidance Buttons



Landmark Icons



App Central

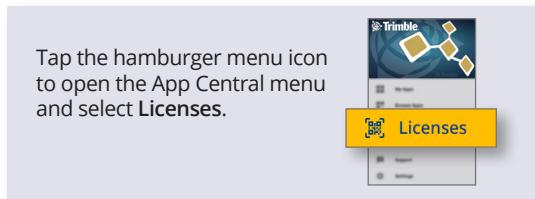
Tap the **App Central** icon to open the *App Central Marketplace* where you can browse a variety of tested, third-party apps you may find useful for your farm - such as *TeamViewer*.



Contact your authorized dealer for details about new features available for your display.

Managing Display and Guidance Controller Licenses

Licenses installed onto the display and GNSS controller are managed through App Central.



The *Licenses* screen shows the licenses installed on your display and guidance controller with the following information:

Autopilot 1

Application 2

3 **Started** Jul 31, 2023
Expires Jul 31, 2025

4 **NEW**

1	License Name
2	License Type
3	Started - activation date Expires - expiration date
4	New - most recent

Perpetual licenses show NA for the expiration date.

Multiple Device Support

Guidance Controller

Connect a **NAV-500** or **NAV-900** guidance controller for maximum uptime and a wide range of accuracy options from *basic to high* precision.

NAV-900

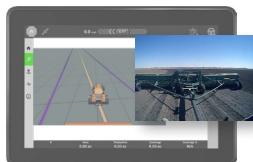


NAV-500



External Camera

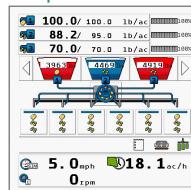
Use the GFX display's expansion port to connect an external camera and view the video directly on the Precision-iQ *Run* screen.



Full ISOBUS Implement Support

With a Universal Terminal (UT) license, connect and manage a variety of ISOBUS implements such as sprayer, seeder, planter, and more.

Strip-Till Air Cart UT



Planter UT



Auto Guidance Support

Configure and manage Trimble's auto guidance products such as Autopilot, EZ-Steer, EZ-Pilot Pro. *(License required)*



Connectivity

GFX displays include Wi-Fi functionality built right in to take full advantage of your existing network.

Wi-Fi



Modem



Hotspot



Document Resources

For complete documentation, including installation guides and reference manuals, visit the PTx Trimble Help Center:

<https://ptxtrimble.com/en/learn/support/help-center>

Declaration of Conformity

Hereby, PTx Trimble LLC, declares that the radio equipment GFX-350, GFX-1060, and GFX-1260 are in compliance with the Radio Equipment Directive 2014/53/EU. The full text of the EU declaration of conformity is available on the PTx Trimble Help Center:



Data Transfer

Precision-IQ supports the transfer of data between a display in the field and backend office software such as Trimble Ag Software.

▶ Wireless Data Transfer

GFX displays support wireless data transfer - using Direct Send or AutoSync™ - available to users with a Trimble Ag Software, subscription.

▶ OTA Firmware Updates

With an over-the-air (OTA) update, your authorized Trimble reseller can send firmware updates directly to your GFX display. Download and install the update at your own convenience.

▶ Data Transfer Using USB

Transfer files to and from your GFX display using one of the USB ports located on the side of the display.

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