

GPS Ontario Newsletter 2012 Issue 2

Pre Season Checklist

GPS Ontario has created a Firmware Matrix on our [GPS Ontario Website](http://www.GPSOntario.ca). This Matrix has all the Current Firmware for your Precision Agriculture Displays and Systems. It is Recommended that you check it out to ensure that you are running the most current software before Spring gets going hard.

We understand some of you are already in the field and running hard but take a quick minute to ensure that you have the current versions to help keep you running.

[Firmware Matrix Link](#)

CFX-750 Version 2.0 Now Available



Several changes have been implemented with version 2.0

When used with the Trimble Field-IQ™ crop input control system, the CFX-750 display now supports the following features:

- **Planter seed performance monitoring.** The addition of Planter seed monitoring allows for replacement of compatible monitoring systems on a row crop planter, and gives operators real-time information on how their seeding system is performing.
- **Two-material variable rate control.** The additional material application enables systems to simultaneously control two individual material types.

Trimble CenterPoint RTX correction service Now available on the CFX-750

Trimble EZ-Pilot assisted steering system

The CFX-750 display now supports the following changes when used with the Trimble EZ-Pilot™ steering system:

- Enhanced operation when used with articulating 4WD tractors. Changes improve line acquisition and online performance so that they are more consistent with performance levels of other vehicle types
- The EZ-Pilot system is now compatible with the external remote engage footswitch through connection directly to the display. Refer to the version 2.0 User Guide for connectivity instructions.

General guidance and usability

The following changes have been made in this version:

- AB line set distance: When setting an AB line, the minimum distance between the A point and the B point has been reduced from 50 meters to 10 meters.
- When using the Field-IQ system and VRA prescription files, the display can now load up to 170 prescriptions to support larger operations.

[To Download Version 2.0 for the CFX-750 Click here](#)



GPS Ontario Site



Trimble WM-Drain system

FmX firmware 6.5 now supports the use of the IMD-600 enhanced terrain compensation module for roll-correction and pitch-control on drainage plows.

Trimble Vehicle Sync technology

Now supported in FmX firmware 6.5 is the new Trimble Vehicle Sync technology that allows real-time wireless data transmission between multiple vehicles operating in the same field. Vehicles that are equipped with an FmX integrated display, a DCM-300 modem with Wi-Fi antenna, and a simple one-time

Trimble Field-IQ input control system

When used with the Trimble Field-IQ™ crop input control system, the FmX integrated display now supports the following changes:

- **Material library.** Enables Field-IQ operators to enter information specific to the material being applied and the attributes of that material. Materials can be added to or removed from the implement configuration.
- **Seed/blockage monitoring.** Allows for seed monitoring and blockage monitoring to occur in the same operation. Singulation warnings can be turned off for row crop seeding operations where statistics are not required. Seed/Blockage sensor limits now allow up to 96 sensors for seed plus 96 sensors for blockage.
- **Alarms and warnings.** Alarms have been implemented for high/low RPM and high/low pressure/vacuum conditions.
- **Pressure calibration.** Allows the option to enter the slope value for pressure/vacuum sensor
- **User interface.** The Control Panel second page now include status items for Total Volume applied. These items can now be accessed without closing the field: application rates, operation settings, alarm settings, latencies, overlaps, and varieties.
- **Signal input module expansion.** The signal input module (SIM) now allows use of up to 24 sections.



Trimble Yield Monitoring

The FmX integrated display now supports Yield Monitoring as part of Trimble harvest solutions. Yield Monitoring enables farmers to accurately monitor, map, gather, and analyze their crop yield for barley, corn, rice, sorghum, soybeans, and wheat.

Yield Monitoring solutions are now available to order as complete sensor kits and in partial sensor kits when using the vehicle's OEM moisture sensor.

Trimble CenterPoint RTX correction service

The FmX integrated display now supports the following changes when used with the Trimble CenterPoint™ RTX™ correction service:

- The CenterPoint RTX correction service with *fast convergence* (U.S. only), now fully supports the use of GLONASS satellites in the position solution.
- CenterPoint RTX *fast convergence* users may now select between fast convergence and standard converge as needed. This is useful when the receiver is on the fringe of coverage or if the receiver changes location from one coverage area to the other.
- Added setup screen to allow the user to manually edit the satellite frequency

OmniSTAR G2 Correction Service

The FmX integrated display now supports the new OmniSTAR G2 GNSS correction service. Highlights of the system include:

- Repeatable accuracy of 15 cm, or approximately 3-5" pass-to-pass
- Corrections delivered directly by satellite; no radio or modem is required
- GNSS compatibility: Supports GPS and GLONASS constellations for increased positioning reliability
- Available in 12-month subscriptions and can be ordered through the regional OmniSTAR offices

Note: Before subscribing to the G2 service, the FmX integrated display must be unlocked for OmniSTAR

Trimble EZ-Pilot steering system

The FmX integrated display now supports the following changes when used with the Trimble EZ-Pilot™ steering system:

- Enhanced operation when used with articulating 4WD tractors. Changes improve line acquisition and online performance so that they are more consistent with performance levels of other vehicle types
- The EZ-Pilot system is now compatible with the external remote engage footswitch through a connection directly to the display. Refer to the version 6.5 User Guide for connectivity instructions.

Remote output control

Users of the remote output function within the FmX integrated display can now see remote output triggers onscreen. Additional data will be included to assist in remote output applications. These include:

- Distance to next output for distance based signals
- Total number of trigger outputs
- Status item for trigger outputs for current pass
- Manual output trigger button
- Output IDs

Completed remote output operations can now export triggered points into the Farm Works™ software.

General guidance and usability

The following changes have been made in this version:

- AB line set distance: When setting an AB line, the minimum distance between the A point and the B point has been reduced from 50 meters to 10 meters.
- When using the display and Field-IQ Rate and Section Control Modules (RSCM) modules, the system can now handle upgrades when multiple modules are connected.

Compatibility

FmX integrated display firmware version 6.5 requires that these minimum firmware versions be used when connected to the following solutions:

- Autopilot NavController II: [version 5.16](#)
- Autopilot NavController II: [version 5.20](#) (only if using RG-100 row guidance)
- [To Download Version 6.5 for the FmX Display Click Here](#)
- [To Download the Version 6.5 User Guide Click here](#)

CenterPoint RTX is Now available

Trimble CenterPoint RTX Correction Service Delivered via DCM-300 Modem: Now Available to Order

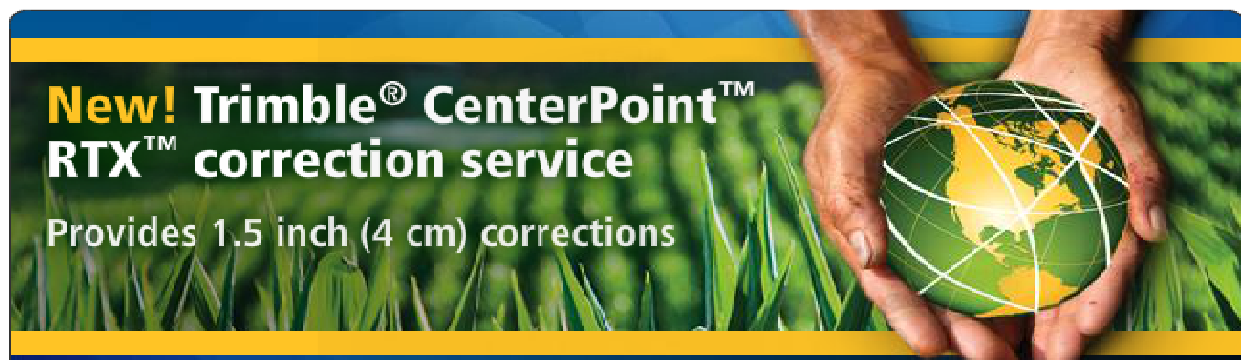
The new DCM-300 modem-delivered Trimble® CenterPoint™ RTX™ correction service for the CFX-750™ display and FmX® integrated display is now available to order .

The new DCM-300 modem-delivered Trimble® CenterPoint™ RTX™ correction service for the CFX-750™ display and FmX® integrated display is now available to order .

Trimble CenterPoint RTX is a GPS and GLONASS enabled correction service built on Trimble RTX technology. This breakthrough technology provides up to 1.5 inch (3.8cm) repeatable horizontal GNSS positioning without requiring the use of a traditional reference station-based infrastructure. The correction service is now available throughout North America and can be received by using the DCM-300 modem and an appropriate cellular data plan.

CenterPoint RTX Features

- Global coverage
- 1.5 inch (3.8cm) repeatable horizontal accuracy
- GPS and GLONASS compatible
- Ability to continue working through correction signal interruptions of up to 2 minutes
- FastRestart technology-enabled convergence times of less than 5 minutes when the receiver's position has not moved since last power off
- GLONASS upgrade for CFX-750 or FmX included at no charge for the duration of the CenterPoint RTX subscription
- Service subscriptions available in 12-month periods



In 2011, GPS Ontario released a toll free number which has been expanded to branch out to each member of the GPS Ontario team. New for 2012, we will be offering an option for customers to call our support team using our toll free service from anywhere in North America. This option will truly bring the next level of service and support to all our customers.

By dialing **1-877-RTK-WE-GO** (1-877-785-9346) and dialing our three (3) digit extension, you will be forwarded directly to our mobile phones in the field. The benefits to you are:

- Always a local call for you, our customer
- Access to the top support in the industry
- Longest support hours in Ontario
- New case management assistance
- After hours support available

- Spring Support Hours 7am - 8 pm

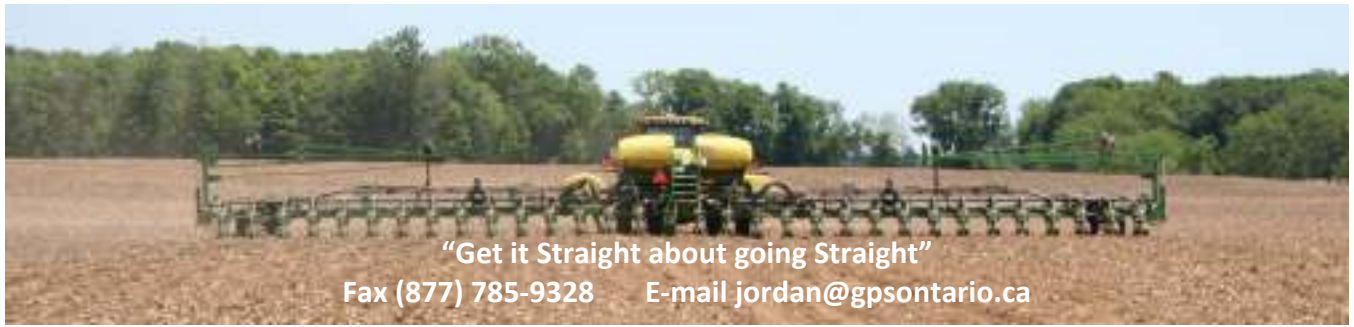


Vehicle to Vehicle Wireless Sync.

- Real Time wireless data Transfer from vehicle to vehicle
- Share Guidance Lines
- Coverage Maps
- Point/ Line / Area Features
- See where the other vehicle is located in the field.
- No need for a USB Drive to Move Data
- Multiple Vehicle Section Control
- Multiple Combines in the Same Field.



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"Get it Straight about going Straight"

Fax (877) 785-9328 E-mail jordan@gpsontario.ca

- Monthly Newsletter with Updates.
- Support Hours changes Technical Support package release.

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- New Site layout and features Firmware Matrix and Photo Gallery
- Welcome Desmond onboard
- Training Dates Feb the 13th and 14th via webex.
- New Products and Correction Service's
- New Product Portfolit available online. offer a Send me a book
- Booking planter kits for spring prior to march 15th to garentee product availability
- Attending Upcoming events Toronto show , London, ifao, Lindsay Ottawa and new liskard
- Trimble has recognized GPS Ontario for there accomplishments in Flow and application systems
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