V 9.25 - FmX Integrated Display firmware Release Notes
Rev 1 – July 1, 2015

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VERSION COMPATIBILITY

Minimum version requirements:

	Version
Autopilot	
NavController	10.02 or higher
EZ Pilot	
IMD-600	1.01
SAM-200	1.04
EZ Steer	
SCM T2	4.01.00
Modem	
DCM-300	7.4.1
Field IQ	
Master Switch Box	3.06
12 Section Switch Box	3.06
Section Only Module	3.05
Rate and Section Module	3.17 or 3.20
Rate and Section Module (Planting)	3.20
Signal Input Module	3.05
Seed Monitor Module	2.06
Yield Monitoring	
Yield Monitoring Module	1.18
Moisture Sensor Module	1.14
Linked System Firmware	
Beta firmware released during final testing	9.20 (replace with v9.25)

WHAT IS IN THIS VERSION?

System features

- ➢ **New features**
  - o Remote Output: new behavior to triggered outputs
    - ▪ "When Crossing a Line Feature" triggers outputs based on a line feature within a field at configured parameters
    - ▪ "Distance Based Pulse" now triggers outputs for a set number of pulses starting count after the first pulse

    See the FmX Integrated Display User Guide 9.25 version A for additional detail

- GNSS: 10 Hz NMEA output is now configurable on Port C and Port D in the GPS Output setup menu
  - Auto Pilot continues to output NMEA on the Diagnostics Serial Port at 10Hz
  - Port A and Port B continues to output NMEA at a max rate of 5Hz

  See the FmX Integrated Display User Guide 9.25 version for additional detail

- WM-Drain: "Constant Depth" control mode
  - Allows the user to run at a constant depth regardless of the terrain as slope and depth constraints are ignore

  See the FmX Integrated Display User Guide 9.25 version for additional detail

FmX Feature Improvements (Since v8.50)

➢ **Application Control:**
- Horsch planters running firmware versions 9.66 or 9.67 are now supported
- Supported John Deere planters can now use GPS speed when the ISO VT plug-in is active
- Improved section status detection for ISO ECUs
- Improved applied rate reporting for ISO ECUs
- More reliable connection to variable rate ECUs
- Material Status for manual rate position has been resolved and now functions properly
- Field IQ flow rate equal to Zero reasons are now given with the use of "Help Text" responses
- Function of "Pump Arming" is now resolved to indicate the proper pump state of liquid controls in the Run Screen

➢ **Guidance and GNSS:**
- FreeForm irregular recorded path jumping has been resolved
- Pivot Boundaries presentation issue has been resolved after creation
- Internal Vehicle Database library has been updated to v11.1
- XTE Histogram presentation issues in Auto Pilot Diagnostics has been resolved
- Classic Autopilot now reports proper configuration when used with RangePoint RTX
  - RangePoint RTX frequency must be configured using Ag Remote

➢ **System Level:**
- CAN traffic has been improved to handle heavy communication applications
- System stability and Data handling protocols have been updated

➢ **Water Management:**
- Valve calibrations have been improved
- Removed the "Force Rebench" option
- Added new icons for Benchmark handling
- Create, Rebench, and Delete benchmark options are now available at all times if WM-Survey, WM-Drain, or FieldLevel II are active plug-ins

- **WM-Drain:**
  - Added the ability to clip section lines
  - Added the ability to add fixed design points
  - Added the ability to enter an elevation for tile outlets
  - Will now warn the user if the IMD is not connected or becomes disconnected
  - Fixed the "Height Gain" range in WM-Drain
  - Added a "Boot Status" item to the section line design screen
  - Added a Bron valve preset to the valve selection screen

- **Yield Monitoring:**
  - Removed invalid mounting orientations for the Yield Monitoring Module in the Roll-Calibration
    - Notification will be presented to the user if an unsupported orientation is loaded
  - Yield Monitoring run-screen statistics preferences are now being properly stored and saved after users alters preferences