

## 2021 Software Related Changes (4.04.521)

- 9000 Airseeder individual tank weigh scales:
  - Changed the weight difference alarms to reset automatically when the tank fill is performed on the console to eliminate false alarms caused by changing the theoretical tank weight after the master has been turned on.
  - Also eliminated the weight difference false alarm scenario caused by having a requested rate of 0 which is typical when using VRC control.
  - For 9000 Airseeder units that are equipped with two SL2 scale links, there had been certain ones that had the same ID so the system couldn't distinguish between them. We were swapping out scale links in order to have two with unique ID's on one unit. There is new SL2 scale link firmware that now guarantees these to be set with unique ID's from the factory. **New units will be sent out with this recent SL2 Scale link firmware 1.01.11 201015. It is not necessary to update existing units to this new firmware (they can still operate with 1.01.11 190625) but if you are swapping out a scale link the new firmware should be installed to prevent detection issues.**
  - Corrected 9650 profiles to have the correct weigh scale settings. Added a 2021 and newer model year selection for the 9650 due to a sizing change of certain load cells for that unit between model years. Ensure the appropriate selection is made for correct weight values.
  
- I2I Coverage Sharing:
  - Performance optimizations have been made to prevent the intermittent synchronization issues while operating. This has also resulted in much quicker loading of shared coverage after systems are restarted.
  - Other than this the operation of the I2I feature will be the same as in previous software.
  
- TriMax:
  - To monitor the 3<sup>rd</sup> fan required for the TriMax (triple shoot) option you need to enable Auxiliary RPM in the settings under Implement/Seeder/Accessories/General Inputs. You also need to set the ECU Connection for the Auxiliary RPM to Drive 4 under Implement/Seeder/Accessories/Encoders by going into Dealer or Technician mode. Then you can view this 3<sup>rd</sup> fan in the fan speed panel on the dashboard.
  - Currently the fan speed to start limit doesn't apply to this 3<sup>rd</sup> fan so the system would allow the meters to turn and apply product even if this 3<sup>rd</sup> fan isn't running. Ensure that the Low Auxiliary RPM Speed alarm is set appropriately to alert you if you forget to turn the 3<sup>rd</sup> fan on before applying product to prevent plugging the system.

- The ASC sections of the triple shoot TriMax line are connected to the single shoot Seed boom so are controlled together with that boom. The section sensors will be tied to the single shoot Seed boom as well so if there is an alarm for a Seed section the problem could be on the single shoot Seed head or on the triple shoot TriMax head.
- New tillage models:
  - 3330/3335 models have been added along with opener types. Ensure the correct opener type is selected for the unit to ensure proper Pack Master operation.
  - 3720 opener terminology updated to PLW.
  - 3820 model has been added with the PLR opener selection. Note the different Pack Master operation for this opener type since it is measuring the gauge wheel force with the load cell instead of the pack force like the rest of the openers. Also note the different calibration procedure for Pack Master for this model that has been added in the X35 manual and in the Drill Control quick reference card.

- **ISO UT Seeder Changes (7.08.07,3.0.13 Firmware)**

- Added various translations. Ukrainian isn't currently supported on the Topcon consoles so that hasn't been added at this point.
- Added high speed encoder option to allow the use of a SatSpeed (GPS) sensor for the speed source on units that don't have room to mount a physical wheel speed sensor. To configure this option the Speed Source needs to be set to Wheel and the High Speed Encoder option under Wheel Calibration Settings needs to be enabled along with the appropriate Wheel Factor entered. The Wheel Factor for this sensor is 0.026 ft/pulse (0.008m/pulse).
- Fixed issue with ECU shutting down when blockage configured as single shoot.