

SMARTRAX NODE RELEASE NOTES:

Version 7.6.80 (*MD version 1.4.20 or higher is required)

(**This software version is not compatible with front-steered tractors or front-boom sprayers without an SPS/WAS.)

1. Updated tunesets as follows:

- a. Removed Steer Ready configuration for Miller N5275 – N6500, New Holland SP240F/SP240FXP/SP295F and New Holland SP275F/SP300F – SP400F
- b. Updated New Holland front-boom sprayer hydraulic configuration settings to match Miller counterparts
- c. Changed left and right min gains from 0 to 3 for RoGator 900C/1100C/1300C

Version 7.6.70 (MD version 1.4.20 or higher is required)

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1. Released tunesets for the following:

- a. NH SP240F/SP240FXP/SP295F Steer Ready
- b. NH SP275F/SP300F-SP400F Steer Ready
- c. CNH Steiger 2011-2015 Steer Ready Yaw

2. Updated default min gains for RoGator 900C/1100C/1300C

3. Changed error handling for GPS data issues during calibration

Version 7.6.63 (MD version 1.4.20 or higher is required)

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1. Consolidated SmarTrax & SmarTrax MD into single version
2. Added support for MD Track and 2016 CNH Steiger/T9 with ISO valves
3. Added configuration support of 600S on an MD system
4. Improved Calibration Wizard stability
5. Improved auto-calibration consistency
6. Improved performance with MD on rear-boom sprayers
7. Improved performance on New Holland sprayers
8. Resolved minor issues when running in DEMO mode with MD system

Version 7.4.60

1. Fixed issue when using Viper Pro that caused devices to appear offline
2. Fixed 3D hot / 3D cold errors

Version 7.4.56

FOR MORE DETAILED INFORMATION LOOK AT THE ENGINEERING RELEASE NOTES

1. Support for communicating to a 600S through SmarTrax for configurability of the receiver and for passing additional diagnostic GPS data (BPOS, ZDA, GSV).
2. Added support for B model Agco machines, MT7xx/MT8xx C/E ISO CAN, JD T-Series, PLA sprayers, Hagie DTS 2015/2016, Krone Big M/X. RoGator B model machines support a terrace mode function that runs by changing the state of the anti-oscillation button.
3. SmarTrax now supports loading default auto-calibration parameters (skips wheel calibration). Skipping wheel calibration is currently supported on all B model Agco machines and JACTO machines. More machines can be added if sufficient data is provided to the steering engineers.

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4. Added acquire heading page during 3D calibration to ensure an optimal calibration. This feature is on all field computers except Viper 4.
5. Added the ability for displaying warnings on SmarTrax (instead of just errors). The following four warnings were added: (1&2) 3D correction being too hot or too cold from its calibrated temperature (+/-20deg F for sprayers and +/-10deg F for all other machines), (3) 3D Off, (4) if the heading filter resets. Slow valve error was changed over to a warning.
6. Zero speed conditions: 1- Added the ability to engage at zero speed, 2- zero speed engage warning occurs after 14 seconds and disengage after 20 seconds, 3- All controller integrals stop integrating in a zero speed engaged state, 4- When entering a zero speed condition SmarTrax now shuts off power to the valve instead of just stopping control of the valve (issue of the wheels slowly moving on a Sauer Valve).
7. Machine Test: 1- Asks for the node orientation to allow for troubleshooting inertial sensors, 2- Raven Hydraulic option pulses a PWM valve only, Steer Ready pulses a Sauer Valve only, 3- The disengage setting is set to 990 (most likely not functional in this state anyway and usually interferes with being able to pulse the valve), 4-If the user selects Raven Hydraulic the jumper setting can be identified, 5- Default mins, maxs and system gains are loaded so that pulsing the wheels works without the user having to change settings.
8. There are now only three profiles instead of four. Also, the process for using profiles now has NEW, LOAD, and RESET commands to improve understanding of whether or not an existing profile is already calibrated.
9. SmarTrax now automatically updates the gains of a calibrated machine when it is loaded with newer software. Still forces a recalibration when software is backdated.
10. Reduced the minimum calibration speed for swathers (small turning radius).
11. Improved steering performance on Versatile 310 machines and also on articulated tractors with a Sauer valve and an SPS.
12. Removed support for Cruizer 1, RFPSim, Longbox Front Panel, Enhancer Module, Tilt Module, QuickTrax (SmartSteer) and the Production Test Interface.

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