

Raven Steering 24.1 Release Notes

Product	Software Version
RS1	24.1.0.61
SC1	24.1.0.255
HDU	24.1.0.1
MDU	24.1.0.1

New Features

- Added support for the Fendt Road-mode switch as a master switch signal for ISO Implement Only
- Added support for the Fendt One engage message as Tractor Linked engage/disengage for ISO Implement Only
- Added Center Learning DTC which blocks steering if Center Learning for the DirecSteer is not completed.
- Added DirecSteer updating functionality and user interface.
- DirecSteer autocalibration for steering backlash
- Added DirecSense feature for Homologation, it supports machines with the DirecSteer as steering partner and supports.
- Operator Presence Switch
- Road Switch
- Resume Switch
- Added generic tuneset support for DirecSteer on Articulated machines.
- Added a downgrade warning to the installation page for the RS1.

Enhancements

- Update the DirecSteer tuneset when updating from versions before 24.1 with a deprecated tuneset
- Update Generic Front-Steered Tractor tuneset for better steering performance.
- Check the engage status with DirecSteer
- The SCU out of date DTC work with DirecSteer and let you update it.
- Removed the step size input box in the Grayhill configuration page where not necessary.
- The Crosstrack error for implements is now reset when no guidance line is available from the Guidance Controller
- When using DirecSteer, pair profiles to a specific DirecSteer unit according to the DirecSteer's serial number. Switching to a new DirecSteer will require creating a new profile and recalibrating.
- Add support for brand-specific GPS corrections names for RS1 units with Case, New Holland, and Steyr branding.
- Allow DirecSteer calibration even if DirecSteer part number is incorrect.
- Add a help menu entry for wheel speed compensation.
- DirecSense diagnostic and user feedback improvements
- Improve reliability and decrease number of beeps with DirecSteer disengage calibration.

Defects Resolved

- Hide the Disengage Delay field for Implement Plough to make setup pages consistent
- Remove on-screen disengage limitation when having follow-mode trigger enabled in ISO Implement Only
- Remove the option to select Follow Mode Trigger Type when steering partner is a Raven Field Computer

- Restore the missing labels in the pages
- Solve the issues with the ghost engage with DirecSteer
- Solve the issues of the DirecSteer button not working each time
- Solved an issue where navigating backwards through the setup wizard for an implement displayed additional obsolete pages than when going forwards
- Solved an issue where engage/disengage behavior across multiple methods did not work coherently
- Solved an issue where the engage/disengage button within the CR12 appeared to be available while SC1 was not able to start steering.
- In “Wheel Control Settings” when steering partner is DirecSteer, show “Motor Current” instead of “Valve Current”
- When using a Grayhill remote and a field computer as the guidance partner, nudge guidance lines according to the user-defined nudge step size instead of one tenth of the step size
- Fix target wheel angle readout not updating in health tests
- Don’t show speed control health tests when no propulsion partner is present
- Prevent DirecSense’s switches from overriding other switches in the system
- Prefill DirecSense’s stored operator presence sensor voltage limits into the user interface when creating a new profile
- With DirecSteer/DirecSense connected, allow operator presence sensor to be configured as touchscreen activity monitor
- Solved the issue where the ECU’s are Up to Date dialog would randomly pop up
- Bug fixes that improve Slingshot Pool stability
- Solved the Verizon Checkbox not toggling firmware issue