

StarFire™ 6000 and StarFire™ 6000 Integrated Receiver

Software Update 20-2 Release Notes
4.40P



New Features

Required Software Update

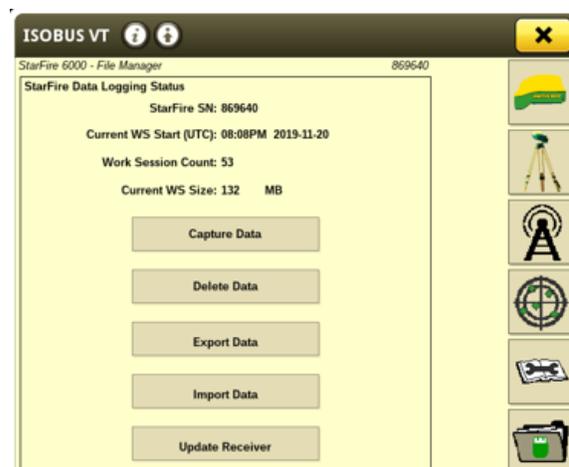
As John Deere continues to develop new technology, StarFire™ Network changes were necessary to support the addition of new satellite constellations and additional enhancements. This required the introduction of a new signal.

StarFire™ 6000 and StarFire™ 3000 receivers must be updated to the 20-2 software update to continue operating on the new signal. Update all receivers prior to February 1, 2021 to avoid any interruption in function.

StarFire™ iTC receivers will not function on the new signal beginning February 1, 2021 but will continue to operate in WAAS, EGNOS, or Non-Diff (depending on location) until approximately 2026.

Continuous Data Logging

Diagnostic information is continuously logged internally on the StarFire™ 6000 receiver as individual work sessions from ignition on to ignition off with a maximum work session length of two hours. When a work session exceeds two hours, a new work session will automatically begin. Up to 48 hours of work sessions can be recorded.



New RTK-X Status Added

A new status type was added to the Diagnostics Tab to clarify the extend function for RTK and Mobile RTK.

RTK-X Not Ready: If RTK signal is lost, the receiver reverts to WAAS, EGNOS, or 3D-None.

RTK-X Available: If RTK signal is lost, RTK-X is available, but an offset vector is not yet saved. If you cycle power or experience significant shading before 1 hour elapses, RTK-X will no longer be available, and the position mode transitions to WAAS, EGNOS, or 3D-None, unless the rover reconnects to a base station.

RTK-X Ready: If RTK signal is lost, RTK-X is available for up to 14 days. After 14 days, the position mode transitions to WAAS, EGNOS, or 3DNone, unless the rover reconnects to a base station. Once connected to a base station and the offset vector is saved, the 14-day timer resets and RTK-X is available for another 14 days.

Improved Shared Signal and Machine Sync Compatibility

After the completion of the 20-2 software update on both receivers, Shared Signal and Machine Sync setups will have no limitations for leader and follower between StarFire™ 3000 and StarFire™ 6000.

Resolved Items

StarFire™ 6000 with 900 Radio Not Acquiring RTK After Update to 4.40N

Upon updating a StarFire™ 6000 rover or base to the 20-2 software release, 4.40N, the radio configuration settings are changed to Radio Channel = 1 and Network ID = 1. The receiver is not operating in RTK.

Diagnostic Trouble Code 841.07 Intermittently Triggered at Startup

This release resolves the issue of DTC 841.07 occurring as a nuisance alert at startup.

Release Notice

These are software release notes for the StarFire™ 6000 and StarFire™ 6000 Integrated Receiver. Release Notes can be found on www.stellarsupport.com. Note: Your use of the software is governed by the End User License Agreement included with the software.