



Multiquip ICON Release Notes

Current Release: 2_10_2025

Release Date: February 10, 2025 - Firmware_2025-02-10_I1_010F2D2D

Description: This firmware release includes significant enhancements and fixes, such as resolving stagnant DTC issues, optimizing engine runtime for better performance, and improving Modbus communication with faster data collection. It also features enhanced diagnostic capabilities, improved cellular network reliability, and refined device error recovery processes. Additionally, the update reduces data usage through optimized algorithms and enhances sleep behavior for better power management and voltage monitoring.

- **Fixes for stagnant DTC issues:** Resolved issues related to inactive Diagnostic Trouble Codes (DTCs) to improve system performance.
- **Engine runtime improvements:** Optimized engine runtime collection to utilize controller/bus sources directly, reducing reliance on server-side accumulation.
- **Improved Modbus communication:** Enhanced Modbus protocol with auto-baud rate detection and faster data collection for better performance.
- **Improved DAq status communication via LEDs:** Enhanced LED indicators for more accurate status updates of the DAq system.
- **Improved cell network communication reliability:** Increased stability and reliability of cellular network connections for continuous operation.
- **Improved device error recovery:** Enhanced recovery mechanisms for quicker resolution of device errors and disruptions.
- **Improved real-time device diagnostics:** Added more detailed diagnostic information, including hardware self-test status for better monitoring.
- **Improved data requesting/collection algorithm:** Optimized data collection processes to reduce overall data usage and increase efficiency.
- **Improved sleep behavior:** Enhanced voltage monitoring and server communication handling during sleep mode for better power management.
- **Short Usage Sessions:** Isolated assets affected by reporting short, frequent usage sessions rather than a full one for the session.