

RELEASE NOTES

DAARC500 (Gen-2)

DAS & Adaptive Aeromagnetic Real-Time Compensator

Host Firmware Release RMS11030-04-C

These release notes contain important information about the new firmware and how it will affect the performance of instruments in which it is installed. The notes outline functional enhancements, adaptive changes and, if applicable, problem corrections.

Please read this documentation carefully. References to pertinent sections in the product's user's guide are shown in square brackets.

Compatibility:

- (D)AARC500 Front End Firmware: \geq RMS1877-05-A, with HW Rev. \geq 2.10
 \geq RMS1877-04-E, with HW Rev. $<$ 2.10
(D)AARC5XX Support Software: \geq Oct/2021
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1. New functionality has been added to allow *system time* to be automatically initialized from GPS time (if available) every time a run mode is started.
[User's Guide: Sections 3.1.2, 3.4.1, 2.4.1.1]
2. For ACCs and auto-adaptive mode, the *source* parameter is now named according to the availability and status of the *embedded sensors* functionality.
[User's Guide: Section 3.5.3]
3. Miscellaneous minor changes: (a) USB-based Flash drives can now be formatted directly on the DAARC500; (b) access to the user interface control to select the magnetometer sensor type is blocked for Access Level $<$ 1; (c) qualified reporting of FE-Host communications errors in the text section of the user interface; (d) the contents of the log file have been cleaned-up and re-formatted; (e) cosmetic improvements to the storage-capacity indicator(s) and file-name field above it (them).
4. Systems with more than 6 magnetometer inputs: correction in the indexing of the source channel in Frequency-Domain Analysis Functions.