RMS INSTRUMENTS
For Geophysical Exploration

RELEASE NOTES

(D)AARC5XX Series

Front End Firmware Release RMS1877-05-D

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.

FULL* Compatibility:	Host Firmware	Hardware Rev.	Support Software
DAARC500 (Gen2)	≥ RMS11030-04-H	≥ 2.10	≥ Apr/2025
AARC510	≥ RMS11031-03-H	≥ 2.20	≥ Apr/2025
AARC52	≥ RMS11122-03-H	≥ 3.20	≥ Apr/2025
DAS52	≥ RMS11164-01-F	≥ 3.20	≥ Apr/2025

[*] To asses partial compatibility with other releases, or for non-active products, refer to Application Note DAARC5XX-035 – (D)AARC5XX Compatibility Chart:
http://www.rmsinst.com/servicesupport/releasenotes/Compatibility%20Chart.pdf

1. New transfer function with bandwidth directly proportional to the host sampling rate: BW = 0.131 F_{SH}. With F_{SH} = 10 Hz it corresponds to 'Custom2' configured with factory-default parameters. Excellent antialiasing characteristics and attenuation beyond the pass-band, while still remaining well under 1-s length (825 ms worst case).

    [Sec. 4.3]

2. Minor adjustments/improvements in access to embedded temperature and barometric pressure sensors.