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RELEASE NOTES

(D)AARC5XX Series

Front End Firmware Release RMS1877-05-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.

FULL Compatibility:*	*Host Firmware*	*Hardware Rev.*	*Support Software*
DAARC500 (Gen2)	*≥ RMS11030-04-E*	*≥ 2.10*	*≥ Oct/2023*
AARC510	*≥ RMS11031-03-E*	*≥ 2.20*	*≥ Oct/2023*
AARC51	*≥ RMS11093-02-E*	*≥ 3.10*	*≥ Oct/2023*
AARC52	*≥ RMS11122-03-E*	*≥ 3.20*	*≥ Oct/2023*
DAS52	*≥ RMS11164-01-C*	*≥ 3.20*	*≥ Oct/2023*

[*] To asses partial compatibility with other releases, or for non-active products, request Application Note *DAARC5XX-035 – (D)AARC5XX Compatibility Chart*.

1. Replaced the '3.2-Hz' transfer function with an improved version. It has essentially the same –3dB bandwidth (3.2 Hz), but much better attenuation in the stop-band and in particular at critical frequencies (e.g., 50, 60 Hz). Ideal for Front-End sampling rates F_S = 640 or 1280 Hz, but also scales well for F_S = 800 Hz. It has a 344-ms length (compared to 200-ms of the original version).

   [Sec. 4.3]