

XBee SX 868 DM

Customer Release Notes

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Overview:

These release notes document changes made to the XBee SX 868 DM firmware.

Compatible Hardware:

- * XBee SX 868 DM
 - * XB8X

Release Version:

- * A006

Release Date:

- * 2018-January-15

Build:

- * 178

Bug Fixes:

- * Synchronously sleeping nodes were failing to output sleep status API frames after ~30 mins.
- * When operating in SPI mode, sleep status API frames were being queued due to the SPI_ATTN line not being asserted correctly.
- * Nodes operating in pin sleep mode were locking up after ~30 minutes of numerous transmit/sleep cycles.

Known Issues / Errata:

- * An extra network level retry sometimes occurs, causing TR and EA counts to be inflated on a failed unicast transmission.
- * Synchronous sleep is unstable in a network with a mixture of SX and S8 modules. The S8 modules will go in and out of synchronization with the SX modules. If using synchronized sleep, it is recommended to not mix S8 and SX modules in the same network.

Release Version:

* A005

Release Date:

* 2017-June-6

New Features:

* **PL** now supports 5 levels

Bug Fixes:

- * When streaming unicast data from radio to radio with mismatched UART baud rates, data was occasionally lost
- * **DB** command did not always report accurate values
- * **SS** was not updated on a module after it became the sleep coordinator with new **ST** and **SP** parameters.

Known Issues / Errata:

- * An extra network level retry sometimes occurs, causing TR and EA counts to be inflated on a failed unicast transmission.
- * Synchronous sleep is unstable in a network with a mixture of SX and S8 modules. The S8 modules will go in and out of synchronization with the SX modules. If using synchronized sleep, it is recommended to not mix S8 and SX modules in the same network.

Release Version:

* A004

Release Date:

* 2017-May-9

New Features:

- * Initial BETA release
- * Compared to XBee S8 868LP, some features were added including
 - * I/O line passing
 - * **PL** is limited to 0, 1, and 2
 - * Transmissions no longer occur on channels 9 and 24 which are near the band edge

Bug Fixes:

* N/A for initial release

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- * ****SS**** is not updated on a module after it becomes the sleep coordinator with new ****ST**** and ****SP**** parameters.