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XBee LR Release Notes

XBee LR

Version A5014 (November 19, 2025)

INTRODUCTION

These release notes document changes made to the firmware on the XBee LR modules..

- Product Information
- Documentation
- Support

SUPPORTED PRODUCTS

- XB-LR – XBee LoRaWAN module
  - Micro (MMT)

KNOWN ISSUES

- *There are no known issues in this release.*

UPDATE CONSIDERATIONS

XBee Studio is recommended for updating the firmware of your radio module to the latest firmware version: www.digi.com/xbee-studio

The following files are included in XBee LR firmware releases:

- Firmware
    - .gbl: Firmware image for serial updates.

- Configuration
    - .xml: XBee Studio
    - configuration file

UPDATE BEST PRACTICES

Digi recommends the following best practices:

1. Test the new release in a controlled environment with your application before you update production devices.
2. Unless otherwise noted, apply updates in the following order:
    1. Device firmware
    2. Modem firmware
    3. Configuration
    4. Application

TECHNICAL SUPPORT

Get the help you need via our Technical Support team and online resources. Digi offers multiple support levels and professional services to meet your needs. All Digi customers have access to product documentation. firmware, drivers, knowledge base and peer-to-peer support forums.

Visit us at https://www.digi.com/support to find out more.

CHANGE LOG

A5014 - XBee LR (November 19, 2025)
- This is a recommended hotfix release.
- Bootloader version: 1.01.1
- Hardware Revisions: XB-LR Rev A

NEW FEATURES

- N/A

ENHANCEMENTS

- Device now goes to low power mode right after Join if the LoRaWAN Class is Configured as Class A.

- Simplified Join and Re-Join process to allow consistent and intuitive behavior of using AT Commands and API Frames.

SECURITY FIXES

- N/A

BUG FIXES

- Device doesn't default to LoRaWAN Class C anymore after Join. Device will use whatever Class user has configured.
- Device does not overwrite certain user configured RF Parameters settings that are expected to be updated/set by the Network Server or MAC Commands. This includes: RX2 Parameters, Join Delays, RX Delays, ADR, CF List, TX Power, Duty cycle.
- Certain downlinks failed due to improper allocation of buffer and payload header. This has been addressed and fixed.

A5013 - XBee LR (May 1, 2025)
- This is a recommended hotfix release.
- Bootloader version: 1.01.1
- Hardware Revisions: XB-LR Rev A

NEW FEATURES

- N/A

ENHANCEMENTS

- Improvedvalidation for AT command length to prevent malformed input across several commands

- Resolved issues related to re-entering command mode after execution.

SECURITY FIXES

- N/A

BUG FIXES

- Fixedcommandhandling that could lead to unexpected system behavior and slow serial responses.

A5012 – XBee LR (April 2, 2025)

- Bootloader version: 1.01.1
- Hardware Revisions: XB-LR Rev A

ENHANCEMENTS

- UpdatedATcommand response format to return hex values for improved tool compatibility.
- Improved AT command support and validation for: AK, NK, AS, NS, A1, N1, A2, N2, LC, DE, SH, SL, AE, DA, DX, CM.

SECURITY FIXES

- N/A

BUG FIXES

- FixedissuewithAPI Guard Time causing command delay.
- Resolved XML default value inconsistencies and formatting bugs.

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