XBee WiSUN Release Notes

XBee WiSUN

Version B00000

INTRODUCTION

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

- [Product Information] (Product information page coming soon)
- Documentation
- Support

SUPPORTED PRODUCTS

- XB-WS - XBee WiSUN module
  - Micro (MMT)
  - Surface Mount (SMT)
  - Through Hole (TH)

KNOWN ISSUES

1. This product does not authenticate with all third party Wi-SUN border routers.
2. Duty cycle is not supported for the India region.

UPDATE CONSIDERATIONS

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

Initiating an OTA firmware update will erase the file system of the target device.

The file system will need to be formatted after a firmware update before it can be utilized. If a serial firmware update was performed, the file system and bundled code on the device is retained but can only be accessed by the version of firmware that was active at the time it was formatted.

Example: If the file system was formatted for version B00000, it would not be accessible after a serial firmware update to B00100. To make use of the file system, it should be formatted for version B00100. If instead the file system is left untouched and the firmware is serially downgraded back to B00000, the file system from before the firmware update would be accessible.

The following files are included in XBee Wi-SUN firmware releases:

- Firmware
  - GBL: Firmware images (includes bootloader unless apponly is in the name)
- Configuration
  - XML: XCTU-NG configuration file

UPDATE BEST PRACTICES

Digi recommends the following best practices:

Test the new release in a controlled environment with your application before you update production devices.

Digi recommends Digi Remote Manager for automated device updates. For more information, go to https://www.digi.com/products/iot-software-services/digi-remote-manager.
If you prefer manually updating one device at a time, follow these steps:

Serial firmware updates:
Invoke the bootloader using one of two methods:

- Issue the **%P** AT Command
- Using hardware flow control lines

Interface with the bootloader at 115200 baud and transfer a bootloader or firmware image as per the user guide.

An XBee MultiProgrammer is available for serial firmware updates in a production environment.

OTA firmware/file system updates:
Refer to the user guide for information on performing an OTA firmware and file system update.

GPM OTA firmware updates:
Refer to the user guide for information on performing an OTA firmware update with GPM commands. This feature is the only method to update the module over-the-air. Updates are sent using the API GATT service provided to you by the BLE interface.

The *[XBee Network Assistant](https://www.digi.com)* can be used to manage your network and optimize it's configuration prior to performing an OTA update.

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

B00000 - XBee WiSUN Nov 3, 2025

- This the initial release
- Bootloader version: 2.5.7
- Hardware Revisions
  - XB-WSB-8S-081, XB-WSB-9S-001, XB-WSB-RM-001, XB-WSB-RM-081, XB-WSB-RS-001, XB-WSB-RS-081, XB-WSB-US-001, XB-WSB-US-081, XB-WSB-UT-001, XB-WSB-UT-081
    - Rev A

NEW FEATURES

- N/A

ENHANCEMENTS

- N/A

SECURITY FIXES

- N/A

BUG FIXES

- N/A