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XBee-PRO XR 900 Release Notes

XBee-PRO XR 900 - (July 10, 2026)

Latest Release Version

- 900100 USA
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INTRODUCTION

These release notes document changes made to the DigiMesh firmware on the XBee-PRO XR MMT 900 modules.

- [Product Information](#)
- [Documentation](#)
- [Support](#)

SUPPORTED PRODUCTS

- XBee-XRP900 - XBee-PRO XR 900 MHz radio module
 - Surface Mount (SMT)

KNOWN ISSUES

1. The Diagnostic counts for transmissions (**EA** and **TR**) are not always as expected because sometimes there is an extra network retry. [XBHAWKDM-200]
2. The **FT** flow control threshold may not be calculating number of bytes properly. If **FT** is set to too low of a value (less than 0x20), CTS will assert indefinitely. [XBHAWKDM-611]
3. Duplicate packets can occur if streaming unicast data across multiple synchronous sleep cycles. [XBHAWKDM-739]

4. Following a low-voltage reset, initial Digimesh network packets might be rejected as duplicate packets. [XB3LRPRO-265]

UPDATE CONSIDERATIONS

XCTU (XBee Configuration and Test Utility) is recommended for updating the firmware of your radio module to the latest firmware version: www.digi.com/xctu

The following files are included in XBee-PRO XR 900 firmware releases:

- Firmware
 - .gbl: Firmware image for OTA/serial updates. This image will also upload the bootloader if the included version is newer than what is currently installed on the device. It is recommended to use this file for most updates.
 - .apponly.gbl: Firmware image for serial updates, excluding bootloader updates. This image contains the firmware, but no bootloader upgrade data. This image may be used when a bootloader upgrade is not desired. Note that it is not recommended to use any firmware image with a bootloader version older than what the image was released with.
- Configuration
 - .mxi: Legacy X-CTU configuration file
 - .xml: XCTU-NG 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

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>.

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

900100 - XBee-PRO XR 900 (July 10, 2026)

- This is a recommended release
- Bootloader version: 1.11.10
- Hardware Revisions
 - XBP-9XR-US-001, XBP-9XR-RS-001, XBP-9XR-CS-001
 - Rev A

NEW FEATURES

- N/A

ENHANCEMENTS

- N/A

SECURITY FIXES

- N/A

BUG FIXES

- The received signal strength is now reported on the 0x80 Receive Packet API frame. Previously the RSSI field on this frame was not populated. *[XBLR-399]*
 - Reduced dropped network packets following a reset. The network packet tracker is now reinitialized on all non-watchdog resets, correcting an increase in packets being rejected as duplicates after a device reset. *[XB3LRPRO-261]*
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900000 - XBee-PRO XR 900 (December 12, 2025)

- This is the initial release
- Bootloader version: 1.11.10
- Hardware Revisions
 - XBP-9XR-US-001, XBP-9XR-RS-001, XBP-9XR-CS-001
 - Rev A

NEW FEATURES

- N/A

ENHANCEMENTS

- N/A

SECURITY FIXES

- N/A

BUG FIXES

- N/A
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Release Notes Part Number: 93001388