



DIGI INTERNATIONAL
9350 Excelsior Blvd, Suite 700
Hopkins, MN 55343, USA
+1 (952) 912-3444 | +1 (877) 912-3444
www.digi.com

XBee S2C NG DigiMesh Release Notes

XBee S2C NG DigiMesh

Version B002 - December 2, 2021

INTRODUCTION

These release notes document changes made to the DigiMesh firmware on the XBee S2C NG RF modules

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

SUPPORTED PRODUCTS

- XBee-Pro S2C
 - XBP24CNG

KNOWN ISSUES

1. 733 - Some non-standard baud rates (e.g. 86330, 126315) occasionally miss a byte of incoming data or receive a corrupted byte.

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

To invoke the bootloader for firmware updates through command mode, you should issue an 'AT%P 5441' which will enter bootloader and retain settings. If you do not include the 0x5441 parameter value, the radio will restore to default upon reset.

The following files are included in XBee S2C NG RF firmware releases:

- Firmware

- EBL: Firmware image for gateways and OEM serial updates
- EHX: Encrypted firmware for Legacy X-CTU
- EHX2: Encrypted firmware for XCTU-NG
- MXI: X-CTU 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-platform/digi-remote-manager>.

If you prefer manually updating one device at a time, follow these steps:

Serial firmware updates:

To retain device configuration, you must invoke the XBee bootloader by issuing an **%P** command with a parameter value of '0x5441'; this indicates to the XBee that network and configuration settings should be retained through the subsequent update.

You can also invoke the bootloader [using hardware flow control lines](#) which will not retain device configuration after the serial firmware update.

Interface with the bootloader at 115200 baud and transfer a /*.ebl firmware image as per the [user guide](#).

An [XBee MultiProgrammer](#) is available for serial firmware updates in a production environment.

The [XBee Network Assistant](#) 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 - DigiMesh

B002 - Digi XBee S2C NG DigiMesh 2.4GHz (December 2, 2021)

- SMT PRO hardware revision A

NEW FEATURES

- Initial Release

Release Notes Part Number: 93001359