



ZB to Smart Energy RF Module

XB24-SE/XBP24-SE/XBP24BSE

Summary

This document explains how XB24-ZB, XBP24-ZB, and XBP24BZ7 modules can be upgraded to the Smart Energy Generic Module firmware.

For assistance, please contact Digi RF Support:

- ◆ 866-765-9885 (U.S. and Canada) or
- ◆ +1-801-765-9885
- ◆ www.digi.com/support

XBee OEM Modules

To upgrade your XBee-ZB module to Smart Energy, please do the following:

1. Ensure you have the latest version of the X-CTU installed (www.digi.com/xctu).
2. Ensure you have the latest available versions of the SE firmware by doing the following:
 - A. Open X-CTU software to the “Modem Configuration” tab.
 - B. Click “Download new versions...” button and select ‘Web.’
 - C. Click “Done” when the action is finished.
3. Open the X-CTU software to the “PC Settings” tab.
4. Select the appropriate COM port and port setting (9600, 8, None, 1 are default), and choose Flow Control: Hardware.
5. If upgrading firmware on a module already running API firmware, place a check in the “Enable API” checkbox.
6. Go to the “Modem Configuration” tab and select either “XB24-SE”, “XBP24-SE”, or “XBP24BSE” from the “Modem:” pull-down menu, depending on whether you have an XBee, XBee-PRO, or XBee-PRO S2B module respectively.
7. Select the desired firmware type from the “Function Set” pull-down menu (Coordinator, Router, or End Device API).
8. Select the desired firmware version from the “Version” pull-down menu (the version at the bottom of the list is the latest).
9. Place a check in the “Always update firmware” checkbox.
10. Click the “Write” button.
11. If upgrading from transparent AT mode to the new API firmware, at the end of the upgrade process, all parameters will ERROR out. Move to the PC Settings tab and check the “Enable API” box. Re-read your radio in Modem Configuration.