

# One-Time Upgrade of the NXB-KNX to a Native NetLinx Device

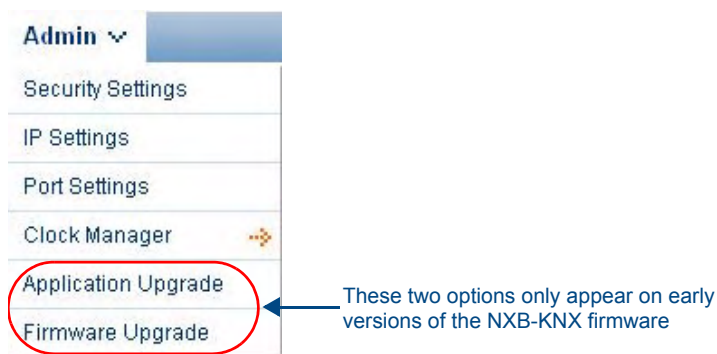
## Overview

This section describes the process of upgrading an older NXB-KNX to the latest version of NetLinx Firmware. The initial release of the NXB-KNX operated as an IP Device (as opposed to a native NetLinx device). As an IP device, the process of upgrading the unit to the latest firmware involves upgrading both the device Application and the Firmware, via options in the *Firmware Upgrade Manager* (see FIG. 2 on page 2) and the *Application Upgrade Manager* pages (see FIG. 3 on page 3).

Subsequent releases (and the current version) of the NXB-KNX operate as a native NetLinx device. As a NetLinx device, the process of upgrading the unit is the same as for any typical NetLinx device: the latest NetLinx firmware KIT file is downloaded from [www.amx.com](http://www.amx.com), and transferred to the NXB-KNX via the NetLinx Master, using NetLinx Studio. See the *NetLinx Firmware Upgrades* section on page 43 for details.

Older NXB-KNX units that are still using the initial Application and Firmware versions can be upgraded to allow them to function as a native NetLinx device.

Older NXB-KNX units that are using the initial Application and Firmware versions feature two Configuration pages that are not included in the current version: the **Application Upgrade Manager** page and the **Firmware Upgrade Manager** page (FIG. 1).



**FIG. 1** Admin menu - early Firmware versions only

*If these options do not appear in the Admin Menu, then your NXB-KNX unit is already a NetLinx device, and the directions in this section does not apply.*



NOTE

*Alternatively, you can identify the current firmware version via telnet (see *Establishing a Terminal Connection Via Telnet* section on page 51) - the Welcome banner indicates the current firmware version.*

There are two aspects of the NXB-KNX that can be upgraded: the device Firmware and device Application, both of which are normally updated via options in the *Firmware Upgrade Manager* (see FIG. 2 on page 2) and *Application Upgrade Manager* pages (see FIG. 3 on page 3). However, special steps are required to perform an initial upgrade from early versions of the NXB-KNX Application and Firmware.

The following steps describe upgrading the NXB-KNX from:

*Firmware v1.0.14 and Application v1.0.1*

to

*Firmware v1.0.36 and Application v2.0.15*



NOTE

*The Firmware upgrade must be performed **before** the Application upgrade.*

## Determining the Current Firmware Version Of the NXB-KNX

Select **Firmware Upgrade** from the Admin menu to open the *Firmware Upgrade Manager* page (FIG. 2). Use the options on the page to upgrade the firmware on this NXB-KNX unit.

**FIG. 2** Firmware Upgrade Manager page

This page allows you view information on the firmware version currently loaded on this unit, and to upload a firmware .JAR file to the unit.



*Another method of determining the current firmware version is to establish a telnet session to the NXB-KNX. See *Establishing a Terminal Connection Via Telnet* section on page 51. The Welcome banner in item 4 indicates the current firmware version.*

## Browse For the New Firmware Upload File

Select the Browse button to open a standard file display for traversing your PC's file structure, and selecting an individual .JAR file.

The selected file name is displayed in the associated text box.

Click the *Accept* button to initiate the download of the selected .JAR file to the unit.

- If the download fails for any reason, an error message is displayed indicating the failure.
- If the download is successful, a message is displayed.

Click the **Reboot** button to initiate a system reboot. Firmware changes only take effect after a reboot.



*System information will not be updated until after a system reboot.*

## If Current Firmware Version Is Lower Than v1.0.34

1. Select **Firmware Upgrade** from the Admin drop-down menu to open the *Firmware Upgrade Manager* page (FIG. 2 on page 2).
2. Click **Browse**, and select the file: **XXXX1.0.36.jar**.
3. Click **Accept**.
4. When the upgrade is complete, reboot the NXB-KNX.

## Determining the Current Application Version Of the NXB-KNX

Information on the current application version loaded on the device is displayed in the *Application Upgrade Manager* page (FIG. 3).

The screenshot shows the AMX Configuration Manager interface. At the top, there's a blue header with the AMX logo, 'Configuration Manager', and a user menu with 'Admin' and 'Welcome admin'. Below the header, the 'Application Upgrade Manager' section is active, with a sub-header 'Upload files for Application Upgrade'. It features two tabs: 'Application' (selected) and 'Firmware'. Under the 'Application' tab, there's a section titled 'Current Application Information' displaying the following details:

- Device-Class=com.amx.knxApp.KNXApp
- Bundle-Version=1.0.1
- Bundle-Activator=com.amx.knxApp.Activator
- Bundle-Description=AMX Wolverine KNX Application
- Bundle-Name=WolverineKNXApp

To the right of this information is a section titled 'Browse for new Application Upload File' containing a text input field and a 'Browse...' button. At the bottom of the page, there are three buttons: 'Reboot' (with a power icon), 'Cancel' (with a red X icon), and 'Accept' (with a green checkmark icon).

FIG. 3 Application Upgrade Manager page

### If Current Application Version Is Lower Than v2.0.11

1. Select **Application Upgrade** from the Admin drop-down menu to open the *Application Upgrade* page (FIG. 3 on page 3).
2. Click **Browse**, and select the file **XXXX2.0.15.jar**.
3. Click **Accept**.
4. When the upgrade is complete, reboot the NXB-KNX.



*Once the Application upgrade is performed, all subsequent upgrades will be performed via Netlinx Studio supported Kit file upgrades. See the NetLinx Firmware Upgrades section on page 43 for details.*

