

BuildingPro Edge Firmware – v3.4.0.0

Products Affected: BEM/D.220.128 ; BEL/S.220.512

Summary

This firmware release introduces significant enhancements across the BuildingPro platform, focusing on improved flexibility, scalability, and usability for system design and operation.

Key additions include the introduction of a visual logic feature in the **Editor**, that allow to create flows covering different purposes such as control logic, field-to-field gateways, scenes and sequences. This release also newly supports internal points expand the logic capabilities, enabling the introduction of intermediate information relays, that are purely internal. Those internal points can then be used in the same way as any other points across the platform, such as in alarms, trends, schedules, graphics or other logic flows.

An optimization in event handling for cloud communication allows reduced bandwidth usage and increased responsiveness. This new firmware also brings important usability improvements, licensing updates (stay valid up to 2 years offline), and targeted fixes to strengthen overall system reliability and performance.

Detail

AFFECTED UNITS

The updated firmware will be made available to all ABB BuildingPro Edge devices.

HOW TO CHECK CURRENT FIRMWARE VERSION

- Connect to your ABB BuildingPro Edge interface either on-premises via a standard web browser
- Or connect to your ABB BuildingPro Edge via ABB BuildingPro Portal (<https://buildings.ability.abb>),
- Open the **Building Edge Configuration** tile, go to the **Update** tab, and check the field “Firmware”

HOW TO UPDATE FIRMWARE

The firmware is available from **BuildingPro** Firmware Update Server.

Note: User must have been granted “Update” permission

- Connect to your ABB BuildingPro Edge interface either on-premises via a standard web browser,
- Or connect to your ABB BuildingPro Edge via ABB BuildingPro Portal (<https://buildings.ability.abb>),
- A notification will appear in the top-right corner when a new firmware version is available,
- Open the **BuildingPro Edge Configuration** tile, go to the **Update** tab, and select your preferred method to download and install the firmware.

Note: Ensure that your ABB BuildingPro Edge is connected to the internet.

Note: A reboot of the device is required, which will temporarily interrupt its operation for a few minutes. An option is available to schedule the time at which the update will be executed.

Content

NEW FEATURES

- **[EPIC-#41471]** Editor: Support Logic feature with modules for visual flow design.
- **[FEAT-#43513]** openBOS: Support internal points throughout the interface to help the logic feature provide greater flexibility.
- **[US-#43617]** Editor: BuildingPro Edge Large now supports assignment of licenses up to 50,000 points.
- **[US-#43417]** Editor: Restoring a project now supports duplication and replacement, to allow copy/paste of projects across BuildingPro Edge and connect them to the ABB BuildingPro Portal flawlessly.

IMPROVEMENTS

- **[FEAT-# 42648]** Vision: Perpetual license no longer requires a cloud connection to stay active (up to 2 years). A connection is then necessary to renew the license and other identity certificates, allowing the BuildingPro Edge to be updated to the latest security fixes.
- **[FEAT-#42677]** Vision: Better handling of cloud events and rework of the batch system when communicating with the ABB BuildingPro Portal (cloud), reducing bandwidth usage and increasing responsiveness.

CORRECTIONS

- **[BUG-#43793]** openBOS: BACnet vendor for BACnet server is now ABB.
- **[BUG-#43965]** Vision : first point of control panels with table now loads properly.
- **[BUG-#43943]** Editor: Fix the display of meters' icon as jpg in the tree in Meter.
- **[BUG-##43713]** Editor: Master/slave option has been removed from space templates (it was never intended to be supported).

COMING SOON

- Support of the eMap protocol for better integration of existing ASPECT devices (NEXUS Series, MATRIX Series & VM) into BuildingPro.
- Support added for Chinese, Italian and Spanish language.
- Improvement of translations across the interface (Editor/Vision)

Customer Impact

CONTEXT

Customers should update their BEM/D.220.128 ; BEL/S.220.512 devices to openBOS firmware [3.4.0.0](#) as soon as practical.

KNOWN ISSUES

- Some subscriptions in BuildingPro Vision may not be optimized. A refactor is underway to improve efficiency. Apologies for any inconvenience while this is being completed.
- Modbus device templates need to be forced in TCP, otherwise they default to UDP.