BLUE RIDGE TECHNOLOGIES™
UNIFIED LIGHTING CONTROL

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Tech Note (250414_01)

Date: April 14, 2025

Product: Aperio Platform

Subject: Firmware Release 4.4.0 & Essentials Software Release 4.4.0

Note: To download these releases visit our website at https://brtint.com/downloads.html

Essentials Release 4.4.0:

This Essentials release is successor to release 4.2.7. Though it will communicate with any firmware, it will display the most information when it can take advantage of features built into the latest Firmware release. Presently, this is the simultaneously released Firmware 4.4.0. The latest Essentials contains logging and self-diagnostic improvements that allow Blue Ridge Technologies Tech Support to better assist customers.

Feature Additions:

-The introduction of the Standalone Zone. This setting, elected at the Zone level, encompasses the Zone and its subsidiary Channels. Briefly, instead of having a Zone originated mode source, such as the Run Command or Schedule for each channel, the Channels are instead in a unitary 24/7 Standalone Mode. Without mode transitions, the Channels' status (and level, if applicable) are driven exclusively by occupant interactions such as actuating switches and stations, triggering occupancy sensors, and so forth.

-The introduction of Logical Status, an advanced feature. This is available in the Relay Assignments section of Channels. The Logical Status of a Relay is displayed when connected and offers the option to have that status exposed as a read-only BACnet MSV point. Logical Status is a classifier that combines the Relay's CommandedTo Status together with its sensed Load Status. For a full description please consult Essentials' in-application Help or the Help Reference.

-The present value of a Zone's Schedule object is now visible in the Schedule subsection of the Zone when connected to a Control Module running firmware 4.4.0 or higher.

-Once installed, Essentials should now associate with files having *.brt system file extension such that double-clicking on them will open them with Essentials.

-The labels describing entities on the Logical and Physical Tree have been redesigned for clarity.

-If a user's Desktop directory is unwritable as a default saving location due to security policy for Tech Support logfiles or BACnet Point List .csv files, a mechanism now exists to select an alternate location and assure its viability.

Firmware Release 4.4.0:

This Control Module firmware release is a successor to Firmware Release 4.2.5. It contains several new features that increase the configurability of the Control Module.

Feature Additions:

-The introduction of the Standalone Zone. This setting, elected at the Zone level, encompasses the Zone and its subsidiary Channels. Briefly, instead of having a mode source, such as the Run Command or Schedule from the Zone for each channel, the Channels are instead in a unitary 24/7 Standalone Mode. Without mode transitions, the Channels' status (and level, if applicable) are driven exclusively by occupant interactions such as actuating switches and stations, triggering occupancy sensors, and so forth.

-The introduction of a Logical Status BACnet MSV point, an advanced feature. Logical Status is a classifier that combines the Relay's CommandedTo Status together with its sensed Load Status. For a full description please consult Essentials' in-application help or the Help Reference.

-Added the ability to report back the present value of a Zone's Schedule to Essentials.