

Tech Note (230630_01)

Date: June 30, 2023

Product: Aperio Platform

Subject: Essentials Software Release 4.1.8

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

Essentials Release 4.1.8:

This is a standalone Essentials release. Though it will work with any firmware, it will display the most information when it can take advantage of features built into the latest Firmware release, 4.1.1. It contains logging and self-diagnostic improvements to allow Blue Ridge Technologies Tech Support to better assist customers.

Features:

-Added a 'Backup' File Menu item for saving intermediary file authoring progress as a hedge. If a file has already been saved at least once, then the 'Backup' item in the File Menu becomes available. Clicking 'Backup' will save a copy/snapshot of the system as it exists at that time. It will save it in the same directory as the pre-existing system file is presently saved. It will automatically name the 'backup' system file with the same name as the system file but with a lexicographically sortable date & timestamp "-yyyyMMddHHmmss." inserted after the name, but before the 'brt' file extension. This can serve as useful tool for both authors and tech support when working with very large system files where troubleshooting or maintenance/continuity issues might lead to several possible versions of how a file ought to look.

Bug Fixes:

-Fixed a display issue the CANbus Status Diagnostics Subpanel. If an IOM had been reporting in correctly during connection to the system, but then later stopped communicating, the Diagnostics Subpanel was not reflecting the non-communicative condition. The icon on the physical tree did properly update to reflect the loss of communication. The Diagnostics subpanel now correctly displays the issue, as well additional metadata to aid in diagnosis and repair.

-Fixed several issues with retrieving settings when connected to a Control Module running firmware from pre-2015 and pre-2018. These fixes were related to validation of parameters in the Channel sequence logic that were legal at the time but have since been managed more stringently. Recognition that the retrieve is coming from an older firmware allows for conditional evaluation and coercion to a value that is presently acceptably legal. These values were in Daylight Harvesting, Channel Mode Settings, and in UI range settings.

-Fixed an issue with GUI stability when choosing the function of a Switch & Station Assignment in a Channel on the Logical Tree via dropdown menu.

-Improved stability of file saving when encountering a rare system condition of an unbound Zone.

-DMX Device icon was not always displaying on Physical tree. Fixed.

-Fixed GUI regression between Essentials 4.1.0 and 4.1.5 that led to difficulty adding DMX-TX devices to a Preset in a Channel's Switch and Station section.

-Further improve stability of send settings when interacting with older Control Module firmware, specifically those containing DMX-RX features over an IP-based connection.