BLUE RIDGE
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UNIFIED LIGHTING CONTROL

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Tech Note (200609_01)

Date: **June 09, 2020**

Product: Aperio Platform

Subject: Firmware Release 3.6.0 and Essentials Software Release 3.6.0

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

Firmware Release 3.6.0:

Bugfixes: This release fixes a critical persistence bug for customers with systems that utilize Expanders at CAN addresses 16-32 inclusive.

-Additional bugfix for a rare issue that could arise in the actuation of an Analog Output residing on a AU48 or Rx224 Expander, when driven by a Preset Button event with no transition strategy within the Channel.

Description: After sending settings from Essentials to a controller utilizing Expanders at addresses 16-32 inclusive, those Expanders and their I/O would function correctly in Channels until such when time the Control Module was power cycled. However, after a power cycle, due to a saving issue, those Expanders would no longer be in the system nor would their I/O function in the relevant Channels. Attempts to retrieve settings would also remove those Expanders from the system in Essentials, as well as their I/O from the Channels.

Upgrade Instructions: In contrast to longstanding Blue Ridge upgrade guidance, we recommend a different set of steps for this upgrade if you believe Control Module's settings might be affected.

First, locate a known good reference copy of your Essentials .brt system file that includes the authoring and settings configuration you have already, especially for Expanders at addresses 16 and higher. Make a backup copy of it in Windows Explorer.

Second, open the latest Essentials (3.6.0) and open the original system file. Connect to the affected Control Module. Upgrade the firmware to 3.6.0 using Tools → Load Control Module.

Third, re-connect to the Control Module and verify that the firmware on the Control Module detail page reads 3.6.0.

Finally, send settings using the system file, either the original or the backup if need be, containing the correct settings information for Expanders at addresses 16-32, and any Channels using I/O from those Expanders.

Essentials Release 3.6.0:

This release is meant to accompany Firmware release 3.6.0. It contains optimization and logging improvement to allow Blue Ridge Technologies Tech Support to better assist customers.

Bugfixes: Contains a retrieve settings bugfix for non-CM32xx Control Modules where higher addressed Expanders would not be retrieved by Essentials to a local .brt system file even though they were functioning correctly on the Control Module itself.