NXT Controller Firmware v2.2.24
Release Notes

1.0   Firmware Release

Release of the *NXT* Controller firmware v2.2.24.

1. The keepalive message and a command message would get combined into one packet causing an overflow error. This has been fixed.
2. Added additional protection in the host command processor to prevent a deadlock. Added new CMD_FAILED reason: #define SEMAPHOR_ERR 4.
3. Increased the keepalive timer on the event channel to 15 seconds.
4. Fixed an issue where a command or update would fail after a "Verify Hardware" command was sent to the controller.
5. Fixed an issue in Action Sequences where the BNS case returned without freeing the message queue buffer causing the Action Sequences to stop responding.
6. Improvements made to Controller Status to provide device version information in realtime mode, rather than the stored version number obtained during startup.
7. Fixed the command response message for the Firmware Upgrade command.
8. Supports changes made in *DoorsNXT* Server v2.1.3 that fixes an issue where the collection of events hangs when the controller has no events to collect. This version requires *DoorsNXT* Server v2.1.3. Failure to upgrade to that version may cause event collection to fail.
9. Fixed an issue where the wrong Geographical Timezone was included with events.
10. Modified Network Task to apply the default IP address immediately after a reset.
11. Increased the "seek" interval for failed bus devices.
12. Autounlock was not consistent when First Person In was enabled. This has been fixed.
13.
14. A Controller Update would fail if you had Network Property changes that had not been saved. There was no warning that this was the cause of the Controller Update failure. This has been fixed.
15. An issue where random Controller Update failures could happen if "Connect to Network" was enabled in *DoorsNXT* has been fixed.
16. Fixed an issue where event collection would report a failure if event collection was initiated and the controller had no events in its buffer.

2.0   Known Issues

The NXT Controller firmware v2.2.24 has the following known issues:

1. Removing power from an NXT controller quickly after performing a system reset may cause the controller's flash memory to lose ALL of its network configuration data. To prevent this from happening, please follow the instructions given in the NXT 2-D/4-D Controller Installation Guide (P/N: 0197-001).
2. If a reader is annunciating a Door Forced or Door Held Open alarm and the Door Switch input property is changed to "Unassigned," the reader's beeper will continue to beep after the update has been completed. Verify that any local alarms have been cleared before changing the Door Switch input property.
3. An MS reader attached to a RIM may become unresponsive for up to 30 seconds after an unknown credential is presented to the reader. The controller may also report a "Remote Device Found" and "Remote Device Failed" events after the credential presentation. This issue happens mostly when only one bus is populated on the NXT controller.
4. An event is not generated when a controller loses its Ethernet connection.

3.0   Compatibility

NXT Controllers with firmware v2.2.24 is <u>ONLY</u> compatible with the following:

DoorsNXT - Software v2.1.0
NXT-4x4 - Firmware v02.02.03 or greater
NXT-RIM (Reader Interface Modules) - Firmware v2.02.10 or greater
NXT Readers - Firmware v2.00.01 or greater

NXT Controllers are compatible with MS readers, 26-Bit Wiegand readers, and non-26-Bit Wiegand readers in connection with the use of an NXT-RIM.

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