

# PXL-500 / PXL-510: Firmware v8.4.48

## Release Notes

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### 1.0 PXL-500/PXL-510 Firmware v8.4.48

PXL-500/PXL-510 Firmware v8.4.48 contains five fixes:

1. Due to the change in US Federal law governing the beginning and ending dates for Daylight Saving Time, the firmware has been changed to reflect the new dates. Beginning in 2007 Daylight Saving Time will “Spring Forward” on the second Sunday in March. Daylight Saving Time will “Fall Back” on the first Sunday in November. All controllers must be upgraded to firmware v8.4.48 to reflect the change in dates. To bypass the firmware update, refer to the [Daylight Saving Adjustment Application Note](#) (P/N 01980-001).
2. Four Anti-Passback issues have been fixed:
  - Both codes on a Dual Verification access would not always be applied correctly in relation to Anti-Passback resulting in access denied being applied when a valid credential was presented. The code has been fixed so that both access signals from the Dual Verification device are processed correctly.
  - When a user presented a valid credential to the IN-reader, is granted access and enters through the door then immediately presents the credential to the OUT-reader, is granted egress, but does not open the door and then passes the credential to someone at the IN-reader the IN-reader would allow access. This has been fixed so that a door-open event is required before processing the APB status for a door.
  - Presenting a credential during the assigned unlock period would create an Anti-Passback violation when APB was not enabled on the system. This has been fixed so that no Anti-Passback violations occur when Anti-Passback is not enabled.
  - When Anti-Passback was not enabled, alarm control enabled and the alarm control reader type was set to any option except “Access Only,” the first presentation of a card to arm the alarm system would create an “Alarm System Request Failed” event and all credential presentations after the first would produce an APB violation.

### 2.0 Compatibility

- Firmware release 8.4.48 (PROM v8.4.48 and PIC v2.11) can only be used in PXL-500/ PXL-510 controllers. The leading '8' digit in the release number indicates that this release is for the PXL-500/PXL-510.
- PROM 8.4.48 and PIC v2.11 are interconnected and both must be installed on a controller for proper operation.
- Firmware release 8.4.48 and *Doors* version 4.50 or greater must be used together to enable all the new features offered by this firmware release.
- An SB-593 is compatible with both a PXL-500/PXL-510 and a PXL-250 (the extra row of connector pins on the SB-593 will “hang” over the PXL-250’s mounting holes).
- A PXL-500/PXL-510 can be added to any existing PXL-250 network and it will function just like a PXL-250. The PXL-500/PXL-510 has additional functionality in terms of card capacity and other features. If PXL-500s/PXL-510s are added to an existing PXL-250 network and the new features will be used (such as Temp Cards), then a PXL-500/PXL-510 must be installed as the master and any controller location that will use the function must also have a PXL-500/PXL-510 in place.

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- If Alarm Control integration with a NetworX NX-8E alarm panel will be used, a PXL-510 **MUST** be used as the master. This is true for either a PXL-250 network, a PXL-500 network, or a mixed PXL-250/PXL-500 network. In a PXL-250 or a mixed network, any doors participating in alarm control must use a PXL-500/PXL-510.
- When implementing a PXL-500 system that will also incorporate EntraGuard telephone entry, the telephone entry unit is no longer required to be the master. PXL-250/EntraGuard mixed systems still require an EntraGuard as the master controller.

*NOTE: For specific compatibility information, refer to the Series 3 and 4 Compatibility Guide (P/N 01876-001).*

### 3.0 Known Issues

There are no known issues.

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