

# PXL-250: Firmware v6.3.21

## Application

- Firmware release 6.3.21 (PROM v6.3.21 and either MB-PIO v1.06 or v1.07) can only be used in PXL-250 controllers. The leading '6' digit in the release number indicates that this release is for the PXL-250. To upgrade a PXL-100 controller, the release number must have a leading digit of '5.'

## Compatibility

### General Compatibility

- PROM 6.3.21 and either MB-IOP v1.06 (for PXL-250P controllers) or v1.07 (for either PXL-250P or PXL-250W controllers) are interconnected and both must be installed on a controller for proper operation.
- Firmware release 6.3.21 and *Doors32* v3.2 must be used together to enable all the new features offered by these two releases.
- *Doors32* v3.2 only supports PXL-250 controllers with v6.3.20 or greater firmware; PXL-250 controllers with 6.2.xx firmware and PXL-100 controllers are not compatible with *Doors32* v3.2.
- Access control networks with controllers using firmware releases 6.2.11, 6.2.12, and 6.2.15, can work with controllers using firmware release 6.3.20 or 6.3.21 provided the controllers with 6.3.20 or 6.3.21 firmware are slave units.

### Wiegand Compatibility

- To use the Wiegand capabilities of the firmware, the controller must be a PXL-250W; the W suffix indicates the controller is Wiegand compatible. A quick way to verify the controller is a PXL-250W is to look at the receiver board. A PXL-250W will have "WIEGAND INTERFACE" stenciled on the receiver board. A PXL-250P (for Keri Systems proximity readers) will have "RECEIVER BOARD" stenciled on the receiver board. The MB-IOP on the controller must be v1.07.

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### Improvements

- The Global Amnesty and Timed Amnesty commands are now able to process and grant amnesty for large numbers of cardholders (greater than 254). This ensures access controllers with large card databases are able to properly process amnesty commands.
- The Door Held Open alarm logic has been changed to not generate an alarm under the following sequence of events.
  - an operator performs a Manual Unlock command on a specific door
  - a cardholder generates a Requests to Exit and opens that door while the Manual Unlock command is still active

This ensures proper annunciation of a Door Held Open alarm under all operating conditions.

- The Door Held Open alarm logic has been changed to generate an alarm if a door is held open following an Automatic Lock, Manual Lock, or a Global Secure command. This ensures proper annunciation of a Door Held Open alarm under all operating conditions.
- The controller's processing of a Global Network Unlock command has been changed so that if a Network Update is in process when the Global Network Unlock command is received, the Network Update is not aborted. This ensures that the Network Update process (which can be lengthy) does not have to be unnecessarily repeated.