

EntraGuard Titanium/Silver Firmware v7.6.09

Release Notes

1.0 Firmware Changes

This firmware release makes the following improvements:

1. Re prioritized the logic that writes Entraguard user records, name index records, and directory code index records into EEPROM memory from a low-priority task to a high-priority task. This speeds up the process of writing these records to EEPROM and frees the unit sooner to do other tasks.
2. Reorganized the sorting of incoming Entraguard user records during a Update Network. Sorting of received user records will not begin until all updates from Doors32 have been received. The previous sorting process required frequent sorting by the firmware, resulting in slow Update Network performance times and erratic behavior by Doors32.
3. Changed controller update logic such that if an update does not change any user ID information, it does not take the time to update the user ID database. This speeds up the update process, freeing the system for normal operation sooner. This is particularly noticeable in databases with 100 or more users.
4. Corrected a data transfer timing issue during a full update between an Entraguard master and PXL slave controllers. Under certain conditions one block of data could be lost during the transfer resulting in a group of cardholders data being lost. The timing condition has been identified and safeguards installed to prevent this from happening.
5. Corrected the application of Suspend/Restore operations associated with the AutoUnlock timezone and improved the processing logic that ensures the system returns to its secure state when the AutoUnlock timezone expires.
6. Added the auxiliary RTE sustained mode operation which commands a door to remain unlocked as long as the auxiliary RTE input is active.

*NOTE: Doors software v5.20 requires that **every** Entraguard unit in the access control network be upgraded to the new firmware revision. If you upgrade Doors to v5.20, you **must** upgrade the firmware in every unit.*

2.0 Known Issues

1. Up to eight characters of the last name will be displayed if the first name, middle name, and last name fields are all used in an EntraGuard Titanium/Silver system. If only the last name is used, then up to twelve characters will be displayed.

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3.0 Compatibility

You must use Doors v5.20 in conjunction with corresponding, new, controller firmware releases to take advantage of all the additions, improvements, and bug fixes. Please refer to the following, supported hardware/firmware table.

Table 1: Supported Hardware and Firmware

| Product | Firmware | PIC |
|---------------------------|----------|-----|
| Titanium PCB 04112-001 | v7.6.09 | v11 |
| Titanium PCB 04314-002 | v7.6.09 | v16 |
| Titanium PCB 04217-001 | v7.6.09 | v16 |
| Silver PCB 04112-001 | v7.6.09 | v11 |
| Silver PCB 04314-002 | v7.6.09 | v16 |
| Silver PCB 04217-001 | v7.6.09 | v16 |

NOTE: For all controllers, you can use down level firmware revisions, but new program additions, improvements, and bug fixes will not be available for use as these features are not implemented in the down level firmware releases.

Rules For Mixed Controller Type Networks (mixing PXL-500s and EntraGuards)

- To use the Alarm Control feature, a PXL-510 must be the master controller.
- To use the Temp Cards feature, a PXL-500 or PXL-510 must be the master controller.
- A PXL-500 or PXL-510 may be used as a slave controller with any EntraGuard controller as the master controller.

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4.0 Contact Keri Systems:

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