

1.0 Doors Software Changes

Doors v5.21 implements the following changes:

1. Added support for a new Entraguard product type: the Entraguard Steel. This product is custom designed for housing applications in areas with high vandalism rates.
2. Added a TCP/IP encryption option for secure Ethernet communication between host PC and the master controller. This feature requires the use of the new LAN-520AES, which supports AES encryption. Information on how to implement this feature is found in the Doors/LAN-520 AES Encryption Application Note (p/n: 01512-001).
3. Corrected a Smart Update communication issue. Under certain conditions Smart Update could fail when updating Entraguard controllers. The failure modes include missing credentials (should be present but are not in the controller's memory), non-deleted credentials (should be deleted but are still in controller's memory), and a hung Entraguard LCD message (“System Update / Please Standby...”).

To correct these problems Smart Update now performs differently.

- Updates are processed for all slave controllers first, then the master controller last.
- All credential-related changes are collected and then cumulatively sent to each controller, one controller at a time. Previously Smart Update applied each individual credential change to every controller in turn, then applied the next credential change to every controller, etc.
- After updating any Entraguard slave controller's credentials, Smart Update will pause five seconds before moving on to the next controller.
- The Update window now displays additional information during the update process to give the operator greater feedback on the update process. This is true for both Smart Update and Total Update.

NOTE: New Entraguard firmware is required to accommodate the Smart Updates changes:

- *Platinum: 9.1.09*
- *Titanium, Silver, Steel: 7.6.09*

*Doors software v5.21 requires that **every** Entraguard unit in the access control network be upgraded to the new firmware revision. If you upgrade Doors to v5.21, you **must** upgrade the firmware in every unit.*

If you are using a PXL as the master controller, the PXL must have firmware v8.5.22 or greater.

4. Corrected an issue with site PINs. When upgrading from previous Doors versions, site PIN information was not handled correctly leaving Doors unable to connect to the site Master controller. PIN information is now correctly handled during the upgrade.
5. Corrected an issue regarding the type of information displayed by Doors for PXL-510 alarm panel controllers. When in Sites mode, Doors did not display all PXL-510 information columns on the Sites tab. It now properly displays alarm control information columns for PXL-510s and hides these columns for standard PXL-500s.

6. Corrected a language translation issue that affected Global Lock functionality. In certain languages, the translated text string for enabling Global Lock had too many characters for the field designated to store the string, causing Doors to stop when an operator tried to enable Global Lock and that string information was to be displayed. This string size has been increased, removing the issue.
7. Added a modem auto-disconnect feature that will disconnect the modem from the master controller when an acknowledgement is received that all data has been transferred. To enable this feature, from the Setup pull-down menu select System > System Options > Network Master Parameters and click Modem Auto-Disconnect.
8. Added a credential value check when presentation enrolling Wiegand credentials that prevents the program from accepting invalid Wiegand credential values. The program now displays a warning window when an invalid credential is presented and rejects that credential.

2.0 Known Issues

In Doors:

1. If you are using multiple sites and you have a mix of encrypted and un-encrypted LAN-520s connecting to these sites, to switch from one site to another you must disconnect from the current site/LAN unit before connecting to the new site/LAN unit. This is done through a new “Net Disconnect” command found in the Operate pull-down menu.
2. The Doors Users Guide and online help file have not been updated to include these recent changes. Please check the Keri web site for updated files in the near future.
3. The Doors online help file is not accessible on remote Doors clients operating over a network. This is because the online help file is not automatically installed when remote clients are created. To allow online help access on remote Doors clients you must copy the Doors_Online_Help.chm file from the main host installation to the same folder in the remote client installation.
4. Doors cannot be operated in direct connect mode or via serial modem when using 64-bit operating systems (such as Vista 64). This is because there is not a native RS-232 serial port driver in 64-bit operating systems.
5. If Doors communication to a master controller via modem fails, Doors will automatically retry up to three times to reestablish communication. This is normal behavior for Doors in modem mode.

In Entraguard:

1. An Entraguard cannot be the master controller in a network that uses KWX Keri Wireless units. This is because an Entraguard unit cannot execute an auto-configuration command quickly enough to accommodate the transmit times of the KWX unit.
2. If an Entraguard is readdressed from being a master unit to a slave unit, the unit must be memory cleared/RAM reset and then the unit must be power cycled. The memory clear/RAM reset applies the address reassignment. The power cycle disables the modem operation that the unit previously handled as a master unit.
3. 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.

3.0 Compatibility

Due to the changes to support Smart Update, you must use Doors v5.21 in conjunction with corresponding, new, controller firmware releases. Please refer to the following, supported hardware/firmware table.

Table 1: Supported Hardware and Firmware

Product	Firmware	PIC
PXL-500-1/510-1	v8.5.22 or greater	v2.11
PXL-G/LC	v8.5.22 or greater	v2.11
SB-593-1		v1.3
SB-G		v1.3
PXL-500/510 (obsolete product replaced by PXL-500-1)	v8.5.22 or greater	
SB-593 (obsolete product replaced by SB-593-1)		v1.3
EntraGuard Titanium	v7.6.09	v1.11 (for PCB 04112-001) v1.16 (for PCB 04314-002 and PCB 04217-001)
EntraGuard Silver	v7.6.09	v1.11 (for PCB 04112-001) v1.16 (for PCB 04314-002 and PCB 04217-001)
EntraGuard Platinum	v9.1.09	U18 – 3.0.1 (for all PCBs) U16 – v1.11 (for PCB 04112-001) v1.16 (for PCB 04314-002 and PCB 04217-001)

Rules For Mixed Controller Type Networks (mixing PXL-500s, PXL-250s, 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 on a network with a PXL-250 master controller, however features that require a PXL-500 or PXL-510 to be the master controller (e.g. Temp Users and Alarm Control) will not be available.
- A PXL-500 or PXL-510 may be used as a slave controller with any EntraGuard controller as the master controller, however features that require a PXL-500 or PXL-510 to be the master controller (e.g. Temp Users and Alarm Control) will not be available..
- In a mixed network of PXL-250s and EntraGuard controllers, an EntraGuard controller must be the master controller. There is no such requirement in a mixed network of PXL-500s, PXL-510s, and EntraGuards.

4.0 Product Documentation

The documents on the Keri CD are the current revisions at the time of CD release. However, these documents are subject to change at any time. You can review the Technical Documentation Downloads section of the Keri web page to verify the current revision of any document (www.kerisys.com/pages/download/techdocs.asp).

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