Firmware 15.62 Release Notes

Horner Automation has released a new Firmware revision for the **X2, XLe/t, and XLEe/Te.**
This is available for download from the firmware section at the following websites:

North American Website	https://hornerautomation.com/controller-firmware
European Website	http://www.hornerautomation.eu

NOTE: This Firmware release requires bootloader to be installed. It is not an option.

Latest System File Revisions for the X2	
Firmware	15.62
BIOS	0.15
CPLD	1.0

Latest System File Revisions for the XLe/t	
Firmware	15.62
BIOS	0.28
CPLD	2.0

Latest System File Revisions for the XLEe/Te	
Firmware	15.62
BIOS	0.30
CPLD	2.0

A NOTE ABOUT FIRMWARE UPDATES:
This firmware has been thoroughly tested, and every precaution has been taken to prevent the introduction of new issues that may be problematic in your application. It is always important for customers to perform their own internal system testing prior to deployment of the new firmware.

Firmware 15.62– New Features	
1.	Added OCS-I/O support for all models. **NOTE:** CNX100 requires Cscape 9.90 SP10 onwards

Firmware 15.62 – Bug Fixes	
1.	Resolved issue wherein timer output was turning on at startup (7639)
2.	Resolved issue wherein after power cycle the first pulse output duration was either missed or way too short (7634)
3.	Resolved issue wherein unit would lose communication with Cscape over Ethernet when there are multiple slaves configured in the program but not connected (4700) **NOTE:** Occurrence of issue has been reduced. Applicable to XLEe/XLTe only
4.	Resolved ethernet port lock up issues (8464/7052/7508) **NOTE:** Applicable to XLEe/XLTe only.
5.	Resolved issue wherein alarm history list was not getting retained after power cycle (5817) **NOTE:** Applicable to X2 only.
6.	Resolved issue wherein when user access alarms webpage (alarms configured with unicode strings) via web designer model, device was rebooting (8288) **NOTE:** Applicable to XLEe/XLTe only.
7.	Resolved issue wherein device displayed hardfault error when modbus tcpip device list configured with more than 32 slaves was downloaded to device (7495/8531) **NOTE:** Applicable to XLEe/XLTe only
8.	Resolved issue wherein emails sent from OCS was being treated as spams due to email header missing time zone (9105) **NOTE:** Applicable to XLEe/XLTe only.
9.	Resolved issue wherein accessing webpages used to display frequent "connection timeout" (9869/7583) **NOTE:** Applicable to XLEe/XLTe only.
10.	Resolved issue wherein filename counter was not working properly if a file with screen capture is downloaded previously (5717)
11.	Resolved issue wherein frequent timeouts and reconnects was seen with units running EtherNet/IP server (8541) **NOTE:** Applicable to XLEe/XLTe only.
12.	Resolved issue wherein there was communication issues in Modbus TCP when 6 or More Devices were used (8362) **NOTE:** Applicable to XLEe/XLTe only.
13.	Resolved WebMI license details showing zero for users and screens field after power cycling the unit (9262) **NOTE:** Applicable to XLEe/XLTe only.

Firmware 15.62 – Known Issues		
	Issue	**Affected Controller(s)**
1.	Autoload program is not working for security file if the timer to enter password get expired. Next time onwards option for Autoload is not working (5718) **WORKAROUND:** Clear application and do a power cycle. Then load clone manually	XLe/Ee, XLt/Et, X2
2.	Datalog with 10 groups, each has 10 Dint variables, then watchdog trip/system exception occurs while we insert/remove MicroSD card (5720) **WORKAROUND:** Make %SR174.1 high and wait for %SR174.2 to become high before removing the microSD	XLe/Ee, XLt/Et, X2
3.	If there is baudrate mismatch between master and slaves devices or the baudrate on the device is changed frequently, increase in scan rate with potential to watchdog is seen (5721/9625) **WORKAROUND:** This is not going to happen in the actual setup as Baudrates should match	XLe/Ee, XLt/Et
4.	Backup register feature takes long time impacting the scan rate in Run mode (5719)	XLe/Ee, XLt/Et, X2
5.	Status Register bit for Transmit Message failure is not updating in J1939 (5722) **WORKAROUND:** This bit is dependent on hardware peripheral and as we are indicating Passive and Bus off errors properly, this status is redundant	XLe/Ee, XLt/Et
6.	Analog inputs will stop working if profibus with 106 IO card is kept operational for long time, approx. 3 to 5 days (5723)	XLe/Ee, XLt/Et
7.	If there is parity and stop bit mismatch for serial setting, the communication still happens (5724)	X2
8.	Requires 2 power cycle to activate J1939 license in device if the J1939 Start register is enabled before loading the license (5753) **WORKAROUND:** Start J1939 protocol only after loading the license	XLe/Ee, XLt/Et
9.	Master device communicates with both slaves in ethernet modbus TCP/IP protocol communication when configured via register for trigger bit / manual ID and ID is given for single slave - **Applicable to ethernet models only.** (9386)	XLe/Ee, XLt/Et
10.	Quadrature mode function is not working. (9764)	XLe/Ee, XLt/Et

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